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CAREER BACKGROUND

PROFESSIONAL INTERESTS

Geomorphology: Study of landforms and the processes that form/maintain them; emphasis on interactions among geomorphic systems (especially rivers, slopes, dunes, glaciers, coastlines) & other Earth systems (climate, flora/fauna, water); landform stability & adjustment to environmental change (e.g., deforestation/reforestation, grazing, fires, mining, river regulation, construction, urbanization, agriculture, climate change); long-term denudation of mountains.

Environmental Geology: Natural hazard assessment & response (especially floods, mass movement, excessive erosion, stream channel instability, dust storms); glacier response to climate change; hazardous waste disposal; ecosystem health; reclamation of disturbed lands; water supply-use-management; groundwater movement & contamination.

Terrain Analysis: Field and lab techniques, map & aerial photo interpretation, remote sensing, GIS, computer simulations, and spatial statistics applied to analyses of environmental constraints/opportunities for human activities & human impacts on the environment.

EDUCATION AND PROFESSIONAL CERTIFICATION

1984 P.H. (Certified Professional Hydrologist), American Institute of Hydrology; St. Paul, MN (re-certified in 1991)

1980 Ph.D. Geography, Oregon State University

Dissertation Title: *The Geomorphic Role of Log Steps in Forest Streams of the Oregon Coast Range*

Advisor: Dr. Charles L. Rosenfeld

1976 M.S. Geography, Oregon State University

Plan B Paper Title: *Design Criteria for a Surface Coal Mine Reclamation Plan in Northwest Colorado*

Advisor: Dr. Charles L. Rosenfeld

1974 B.A. Geography-Ecosystems, University of California at Los Angeles

Senior Thesis Title: *Ecosystem Dynamics of a Headland-Bay Beach: Limantour Spit, California*

Advisor: Dr. Antony R. Orme

ACADEMIC POSITIONS

1999 to present: Sun Professor, School of Geology, Oklahoma State University, Stillwater, OK 74078-3031

1994 to 1999: Professor of Geography, Department of Geography & Recreation, University of Wyoming, Laramie, WY; Adjunct Professor of International Studies (1995-1998); Co-Editor-in-Chief, *Geomorphology* (1999-2003)

1996 to 1997: Visiting Professor, University of Alaska Southeast, Juneau, AK 99801

1988 to 1994: Associate Professor of Geography, Department of Geography & Recreation, University of Wyoming, Laramie, WY

1986 to 1988: Assistant Professor of Geography, Department of Geography & Recreation (half-time at Wyoming Water Resources Center), University of Wyoming, Laramie, WY

1982 to 1986: Assistant Professor, Department of Geological Sciences, University of Texas at El Paso, El Paso, TX

1980 to 1982: Visiting Assistant Professor, Department of Geological Sciences, University of Texas at El Paso, El Paso, TX

SABBATICALS

1992-93 (full-year): Floodplain Disturbance and Landscape Diversity in the Upper Rhone River Drainage, France; Université Lyon III--Jean Moulin; funded by a Fulbright Research Award

OTHER POSITIONS

1996 to 1997: Director, Foundation for Glacier and Environmental Research; Juneau, AK; Field Director, Juneau Icefield Research Program, Juneau, AK

1979-1981: Research Assistant, Department of Geography, Oregon State University

1978-1979 (summer months): Hydrologist/Geographer, U.S. Forest Service, Waldport, OR

1974-1978: Teaching Assistant, Department of Geography, Oregon State University

1976-1977: Environmental Scientist, U.S. Environmental Protection Agency, Corvallis, OR

1974-1975 (summer months): Environmental Assistant, V.T.N. Colorado, Inc., Denver, CO

1972-1973 (summer months): Natural Resource Aid, U.S. Bureau of Land Management, Elko, NV

HONORS, AWARDS AND SPECIAL RECOGNITION

1998, 1991 Nominee, University of Wyoming President's Award

1997 Elected Fellow, Geological Society of America

1997 Appointed Member, President's Western Water Policy Review Advisory Commission (chartered by U.S. Congress)

1996-97 International Man of the Year in Recognition of Services to Geography and Environmental Science, International Biographical Centre, Cambridge, England

1997 20th Century Award for Achievement, International Biographical Centre, Cambridge, England

1995 Elected Fellow, Explorers Club

1992-93 Fulbright Research Award, J. William Fulbright Foreign Scholarship Board, U.S. Information Agency, U.S. Council for International Exchange of Scholars, and Franco-American Commission on Educational Exchange

1991 Extraordinary Faculty Merit for Research, College of Arts and Sciences, University of Wyoming

1991 Elected Fellow, Royal Geographical Society

1992 Finalist (also nominated in 1994 and 1988), Beatrice Gallatin Beuf Golden Apple Award for outstanding freshman level teaching; College of Arts and Sciences, University of Wyoming

1989 Extraordinary Faculty Merit, College of Arts and Sciences, University of Wyoming

1988 Extraordinary Faculty Merit, College of Arts and Sciences, University of Wyoming

1988 Comprehensive Planning Award, Texas Chapter of the American Planning Association (contributor to award winning plan by City of El Paso); Austin, TX

1984 National Citation Award in Applied Geography, Association of American Geographers (with W.J. Lloyd); Washington, D.C.

1983 Best Assistant Professor, College of Science, University of Texas at El Paso

1981 National Warren Nystrom Award, Association of American Geographers; Los Angeles, CA

1978 Lenora Bayley Memorial Fellowship, Oregon State University, Corvallis, OR

1977 Special Achievement Award, U.S. Environmental Protection Agency, Corvallis, OR

TEACHING**COURSES TAUGHT (*=team taught)**

	Sections <u>Taught</u>	Credit <u>Hours</u>	Avg. No. <u>Students</u>
Lower Division Courses			
Geology & Human Affairs (OSU)	2	4.0	70
Physical Geography (UW, UTEP)	26	4.0	63
Environment & Society in Himalayas (UW Honors)	4	3.0	20
Introduction to Natural Resources (UW)	3	3.0	71
Geography of Wyoming (UW)	1	3.0	29
Principles of Earth Science (UTEP)	1	3.0	36
Geography of Arid West (Oregon State Univ.)	1	3.0	65
Geography of Pacific Northwest (Oregon State Univ.)	1	3.0	34
Geography of United States (Oregon State Univ.)	1	3.0	
Upper Division Courses			
Geomorphology (OSU, UAS, UW, UTEP)	11	3.0	17
Environmental Geology (OSU, UW)	6	3.0	28
Management of Major River Basins (UW)	6	3.0	20
Terrain Analysis (UW)	3	3.0	18
Geography of Water Quality (UW)	1	3.0	14
Research Perspectives in Earth Science (UW)	1	3.0	24
Remote Sensing (UAS, UTEP)	6	3.0	12
Hydrology (UAS)	1	4.0	23
Geology of Groundwater (UTEP)	4	3.0	
Graduate Courses			
Fluvial Geomorphology (OSU, UW)	10	3.0	15
Advanced Environmental Geology (OSU)	1	3.0	10
Seminar: Geography/Water Resources (UW)*	3	1.0	9
Field Methods: Fluvial Geomorphology (UW)	2	3.0	13
Glacial & Periglacial Environments (UW, UTEP)	3	3.0	11
Research Perspectives (UW)	2	2.0	15
Seminar: Global Change (UW)*	1	1.0	4
Field Techniques in Geography (UW)*	1	4.0	9
Digital Image Analysis (UTEP)	1	1.0	9
Seminar: Water Resources (UTEP)*	1	3.0	
Teaching			
Lower Division	2124	2.26	
Upper Division	930	2.96	
Graduate	316	3.52	
TOTAL	3370	2.58	

TEACHING IN LAST SEVEN CALENDAR YEARS (exclusive of theses, readings, practicum)

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u>Cr. Hrs.</u>	<u>Enrollment</u>
2002	Spring	GEOL 3503: Environmental Geology	3	30
2001	Fall	GEOL 3073: Geomorphology	3	19
		GEOL 5073: Fluvial Geomorphology	3	6
2001	Spring	GEOL 3503: Environmental Geology	3	30
2000	Fall	GEOL 1014: Geology & Human Affairs	4	40
		GEOL 3073: Geomorphology	3	22
		GEOL 5503/5710: Advanced Environmental Geology	3	10
2000	Spring	GEOL 3503: Environmental Geology*	3	20
		GEOL 4990/5710: Fluvial Geomorphology	3	12
1999	Fall	GEOL 1014: Geology & Human Affairs	4	99
		GEOL 3073: Geomorphology*	3	28
1999	Summer	G&R 3550: Natural Hazards & Society	3	20
1999	Spring	G&R 4000: Terrain Analysis	3	22
1998	Fall	G&R 1050: Introduction to Natural Resources*	3	60
		HP 2150: Environment & Society in Himalayas	3	23
		G&R 5050: Fluvial Geomorphology	3	13
1998	Summer	G&R 2200: Wyoming Geography	3	9
		G&R 4850: Geography of Water Quality*	3	18
1998	Spring	G&R 1050: Introduction to Natural Resources*	3	77
		G&R 4080: Management of Major River Basins	3	29
1997	Fall	G&R 1050: Introduction to Natural Resources*	3	75
		G&R 5050: Fluvial Geomorphology	3	11
1997	Spring	ENVS 393: Geomorphology	3	7
		ENVS 493: Remote Sensing	3	11
1996	Fall	GEOL 393: Hydrology	4	12
1996	Spring	HP 2150: Environment & Society in Himalayas	3	20
		G&R 4080: Management of Major River Basins	3	21
1995	Fall	G&R 1010: Physical Geography*	4	125
		G&R 5000: Research Perspectives	2	21
		G&R 5850: Special Topics: Field Geomorphology	1	6
1995	Spring	HP 3152: Interpreting the Earth	3	13
		G&R 5050: Fluvial Geomorphology	3	10
		G&R 5100: Glacial & Periglacial Landscapes	3	8

*Supervised teaching assistant(s)

RESEARCH

PUBLICATIONS (exclusive of abstracts)

Books/Monographs

9. Giardino, J.R., Marston, R.A. and Morisawa, M.A. (eds.) 1999. Changing the Face of the Earth--Engineering Geomorphology. Binghamton International Series in Geomorphology, No. 28, Elsevier: Amsterdam, NETH, 439 pp.
8. Marston, R.A. and Hasfurther, V. (eds.) 1994. Effects of Human-Induced Changes on Hydrologic Systems. Proceedings of the 1994 Summer Symposium, American Water Resources Association: Jackson, WY, 1182 pp.
7. Abrahams, A.D. and Marston, R.A. (eds.). 1993. *Drainage Basin Sediment Budgets--A Collection of Papers Presented at the Third International Geomorphology Conference, Hamilton, Ontario, August 1993*. Physical Geography 14(3): 221-224 (special issue).
6. Ostresh, L.M., Marston, R.A. and Hudson, W.M. 1990. Wyoming Water Atlas. Wyoming Water Development Commission and University of Wyoming: Cheyenne and Laramie, WY, 124 pp.
5. Miller, M.M. and Marston, R.A. (eds.) 1989. Environment and Society in the Manaslu-Ganesh Region of the Central Nepal Himalaya. Foundation for Glacier and Environmental Research: Moscow, ID, 110 pp.
4. Marston, R.A. and Clarendon, D.T. 1988. Land Systems Inventory of the Medicine Bow Mountains and Sierra Madre, Medicine Bow National Forest, Wyoming. Research Paper MBNF-88-01, USDA Forest Service: Fort Collins, CO, 31 pp. + 7 plates.
3. Marston, R.A. 1986. Dust storm potential in the Chihuahuan Desert. Contributed Papers, Second Symposium on Resources of the Chihuahuan Desert Region, United States and Mexico, No. 1, Chihuahuan Desert Research Institute: Alpine, TX 14 pp.
2. Lloyd, W.J. and Marston, R.A. 1982. Streamflow in the Rio Grande at Fort Quitman. Border Issues and Public Policy Paper, Center for Inter-American and Border Studies, U.T. El Paso: El Paso, TX, 9 pp.
1. Starr, R.M., Marston, R.A. and Hall, M.J. 1976: Environmental Sensitivity of Oregon's Coastal Sand Areas. Resource Paper No. 7, Oregon State University, Department of Geography: Corvallis, OR, 48 pp.

Refereed Journal Articles

22. Marcus, W.A., Marston, R.A., Colvard, C.R. and Gray, R.D. 2002. Mapping the spatial and temporal distributions of woody debris in streams of the Greater Yellowstone Ecosystem, USA. Geomorphology 44(3-4): 323-335.
21. Marston, R.A. and Dolan, L.S. 1999. *Effectiveness of sediment control structures relative to spatial patterns of soil loss in an arid upland watershed*. Geomorphology 31(1): 313-324.
20. Marston, R.A., Miller, M.M. and Devkota, L. 1998. *Geoecology and mass movement in the Manaslu-Ganesh and Langtang-Jugal himals, Nepal*. Geomorphology 26(1-3): 139-150.
19. Piegay, H. and Marston, R.A. 1998. *Distribution of large woody debris along the outer bend of meanders in the Ain River, France*. Physical Geography 19(4): 318-340.
18. Marston, R.A., Fritz, D.E. and Nordberg, V. 1997. *The impact of debris torrents on substrates of mountain streams*. Geomorphologie: Relief, Processus, Environnement 1: 21-32.
17. Marston, R.A., Kleinman, J., and Miller, M.M. 1996. *Geomorphic and Forest Cover Controls on Flooding: central Nepal Himalaya*. Mountain Research and Development 16(3): 257-264.
16. Weisrock, A., Deshaies, M. and Marston, R. 1995. *Introduction: le colloque "Paleoreseaux Hydrographiques Quaternaires"--centenaire W.M. Davis, 1985-1995*. Revue Géographique de l'Est 3-4: 215-217.
15. Marston, R.A., Girel, J., Pautou, G., Piegay, H., Bravard and Arneson, C. 1995. *Channel metamorphosis, floodplain disturbance, and vegetation development: Ain River, France*. Geomorphology 13: 121-131 [also republished as the book chapter listed below].

14. Marston, R.A. 1994. *River entrenchment in small mountain valleys of the western USA--influence of beaver, grazing, and clearcut logging*. Revue de Géographie de Lyon 69(1): 11-15.
13. Abrahams, A.D. and Marston, R.A. 1993. *Drainage basin sediment budgets--an introduction*. Physical Geography 14(3): 221-224.
12. Marston, R.A. and Anderson, J.E. 1991. *Watersheds and vegetation of the Greater Yellowstone Ecosystem*. Conservation Biology 5(3): 338-346.
11. Marston, R.A., Pochop, L.O., Kerr, G.L., Varuska, M.L. and Veryzer, D.J. 1991. *Recent glacier changes in the Wind River Range, Wyoming*. Physical Geography 12(2): 115-123.
10. Marston, R.A. and Haire, D.H. 1990. *Runoff and soil loss following the 1988 Yellowstone fires*. Great Plains/Rocky Mountain Geographical Journal 18(1): 1-8.
9. Mills, J.D. and Marston, R.A. 1990. *Spatial trends in channel morphology of the Snake River, Grand Teton National Park, Wyoming*. Great Plains/Rocky Mountain Geographical Journal 18(1): 108-117.
8. Marston, R.A. 1989. *Particulate and dissolved losses of nitrogen and phosphorus from forest and agricultural soils*. Progress in Physical Geography 13(2): 234-259.
7. Marston, R.A., Dupuy, J.R. and Raksaskulwong, M.S. 1985. *Aquifer modeling with integrated geophysical surveys in an alluvial filled tectonic trough*. Hydrological Science and Technology 1(2): 21-26.
6. Lloyd, W.J. and Marston, R.A. 1985. *Municipal and industrial water supply in Ciudad Juarez, Mexico*. Water Resources Bulletin 21(5): 841-849.
5. Marston, R.A. and Lloyd, W.J. 1985. *River budget for the Rio Grande, El Paso-Juarez Valley*. Journal of Arid Environments 8(2): 109-119.
4. Marston, R.A. 1983. *Supraglacial stream dynamics on the Juneau Icefield*. Annals of the Association of American Geographers 73(4): 597-608.
3. Lloyd, W.J. and Marston, R.A. 1982. *Recent streamflow trends in the Rio Grande below El Paso*. Texas Journal of Science 34(2): 137-148.
2. Marston, R.A. 1982. *The geomorphic significance of log steps in forest streams*. Annals of the Association of American Geographers 72(2): 99-108.
1. Schmidt, R.H., Jr. and Marston, R.A. 1981. *Los Medanos de Samalayuca, Chihuahua, Mexico*. New Mexico Journal of Science 21(2): 21-27.

Refereed Chapters in Books/Monographs

12. Marston, R.A. and Lloyd, W.L. 2001. *Geographical hydrology of the El Paso-Ciudad Juarez border region*. Pages xxx-yyy in: Water for Texas: 2000 and Beyond, Norwine, J. and Giardino, J.R. (eds.). Texas A&M Press: College Station, TX, in press.
11. Marston, R.A. and Dolan, L.S. 1999. *Effectiveness of sediment control structures relative to spatial patterns of soil loss in an arid upland watershed*. Pages 313-324 in: Changing the Face of the Earth--Engineering Geomorphology, Giardino, J.R., Marston, R.A. and Morisawa, M.A. (eds.). Binghamton International Series in Geomorphology, No. 28, Elsevier: Amsterdam, NETH, 439 pp.
10. Marston, R.A. and Eardley, A.J. 1997. *Rocky Mountains*. In: Encyclopedia Britannica. Encyclopedia Britannica, Inc.: Chicago, IL, in press (also included in a CD ROM version)
9. Marston, R.A. 1995. *Glacier*. Pages 183-186 in Yearbook of Science and Technology. McGraw-Hill: New York, NY, 499 pp.
8. Marston, R.A., Girel, J., Pautou, G., Piegay, H., Bravard, J.P. and Arneson, C. 1995. *Channel metamorphosis, floodplain disturbance, and vegetation development: Ain River, France*. Pages 121-131 in: Biogeomorphology, Hupp, C.R., Osterkamp, W.R. and Howard, A. (eds.). Binghamton International Series in Geomorphology, No. 26, Elsevier: Amsterdam, NETH, 347 pp. [published originally as the refereed journal article listed above].

7. Ostresh, L.M., Marston, R.A. and Hudson, W.M. 1990. Wyoming Water Atlas. Wyoming Water Development Commission and University of Wyoming: Cheyenne and Laramie, WY, 124 pp. [15 chapters authored or co-authored]
6. Marston, R.A. 1989. *Geomorphology*. Pages 70-94 in: Geography in America, Gaile, G.L. and Willmott, C.J. (eds.), Merrill: Columbus, OH, 840 pp.
5. Marston, R.A. and Kleinman, J. 1989. *Geomorphic estimates of bankfull discharge in the Manaslu-Ganesh Himal*. Pages 33-46 in: Environment and Society in the Manaslu-Ganesh Region of the Central Nepal Himalaya, Miller, M.M. and Marston, R.A. (eds.). Foundation for Glacier and Environmental Research: Moscow, ID, 110 pp.
4. Marston, R.A. and Miller, M.M. 1989. *Mass wasting in the Manaslu-Ganesh and Langtang-Jugal Himal*. Pages 47-57 in: Environment and Society in the Manaslu-Ganesh Region of the Central Nepal Himalaya, Miller, M.M. and Marston, R.A. (eds.). Foundation for Glacier and Environmental Research: Moscow, ID, 110 pp.
3. Marston, R.A., Kleinman, J., Dace, J., Ray-Dace, T., Miller, M.M., Kaltenborn, B., Fredericks, D., McConnell, J. and Miller, G. 1989. *Accelerated sediment production in a small subalpine watershed of the Manaslu Himal*. Pages 58-64 in: Environment and Society in the Manaslu-Ganesh Region of the Central Nepal Himalaya, Miller, M.M. and Marston, R.A. (eds.). Foundation for Glacier and Environmental Research: Moscow, ID, 110 pp.
2. Miller, M.M. and Marston, R.A. 1989. *Glacial response to climate change and epeirogeny in the Nepalese Himalaya*. Pages 65-88 in: Environment and Society in the Manaslu-Ganesh Region of the Central Nepal Himalaya, Miller, M.M. and Marston, R.A. (eds.). Foundation for Glacier and Environmental Research: Moscow, ID, 110 pp.
1. Marston, R.A. 1986. *Maneuver-caused wind erosion impacts, south-central New Mexico*. Pages 273-290 in: Aeolian Geomorphology, Nickling, W.G. (ed.). Binghamton International Series in Geomorphology, No. 17, Allen and Unwin: London, ENG, 311 pp.

Refereed Proceedings/Transactions

11. Graf, W.L., Hirschboeck, K.K., Marston, R.A., Pitlick, J. and Schmidt, J.C. 1997. *The implications of a changing physical landscape for western water policy*. Hearings of the Presidential Western Water Policy Review Advisory Commission: Tempe, AZ, 22 pp.
10. Marston, R.A. and Wick, D.A. 1994. *Natural variability and forestry impacts in mountain streams of southeastern Wyoming*. Pages 225-234 in Proceedings of the 1994 Summer Symposium, American Water Resources Association: Jackson, WY, 1182 pp.
9. Marston, R.A. 1993. *L'homme et la rivière dans les Montagnes Rocheuses (E.U.)--réponse au changement naturel et à l'intrusion humaine*. Pages 25-30 in F. Piquet (ed.), Le Fleuve et ses Metamorphoses, Actes du Colloque International, Université Lyon II--Jean Moulin: Lyon, FRA, 527 pp.
8. Marston, R.A. 1991. *Channel morphology and dynamics as applied to riparian systems*. Pages 15-24 in Proceedings of the Riparian Workshop, Conducted for the Wyoming Game and Fish Department by the Wyoming Cooperative Fish and Wildlife Research: Laramie, WY, 151 pp.
7. Pochop, L.O., Marston, R., Kerr, G., Veryzer D., Varuska, M. and Jacobel, R. 1990. *Glacial icemelt as a contribution to watershed runoff, Wind River Range, Wyoming*. Proceedings of the Watershed Management Symposium, American Society of Civil Engineers: Durango, CO, pp. 118-124.
6. Marston, R.A., Pochop, L.O., Kerr, G.L. and Varuska, M.L. 1989. *Recent trends in glaciers and glacier runoff, Wind River Range, Wyoming*. Pages 159-169 in Proceedings of the Headwaters Hydrology Symposium, American Water Resources Association: Missoula, MT, 708 pp.
5. Dolan, L. and Marston, R.A. 1988. *Factors influencing rainsplash erosion and runoff in an arid watershed*. Proceedings of a Symposium on Water Resources and Related Issues, American Society of Civil Engineers, Wyoming Section: Cheyenne, WY, pp. 137-142.
4. Marston, R.A. 1984. *Persistence of maneuver-caused erosion impacts on desert sand dunes*. Proceedings of the 25th International Geographical Congress, International Geographical Union: Paris, FRA, p. 30.

3. Marston, R.A., Goodell, P.C., Hoffer, R.L. and Keller, G.R. 1982. *An integrated Landsat, geological, geophysical, geochemical survey for mineral occurrences in west-central Utah*. Pages 843-851 in Proceedings of the International Symposium on Remote Sensing of Environment, Second Thematic Conference, Remote Sensing for Exploration Geology: Ft. Worth, TX, 987 pp.
2. Maxwell, J.R. and Marston, R.A. 1981. *Geomorphic indices of hydrologic characteristics*. Pages 1-12 in Proceedings of the Watershed Management Symposium, American Society of Civil Engineers: Boise, ID, 1100 pp.
1. Marston, R.A. 1978. *A synoptic approach to assessing nonpoint sources of sediment from forested watersheds*. Pages 351-370 in Proceedings, Symposium on Nonpoint Sources of Pollution from Forested Land, Southern Illinois University: Carbondale, IL, 400 pp.

Non-Refereed Proceedings/Transactions

7. Marston, R.A., Marcus, W.A., Gray, R.D., Colvard, C.R. 1999. *Mapping the spatial and temporal distributions of large woody debris in rivers of the Greater Yellowstone Ecosystem, USA*. International Association of Geomorphologists, Yangtze Fluvial Conference: Shanghai, CHINA, 11pp.
6. Marston, R.A. 1994. *Field Guide to the Snake River Technical Tour, Grand Teton National Park*. American Water Resources Association: Jackson Hole, WY, 14 pp.
5. Marston, R.A. and Blount, H.G. 1986. *Shuttle Imaging Radar (SIR-A) coverage of southwest New Mexico*. Pages 52-59 in Geology of South-central New Mexico, Guidebook for the 1986 Field Conference, El Paso Geological Society: El Paso, TX, 165 pp.
4. Guthrie, R.S. and Marston, R.A. 1986. *Relict (Late Tertiary) pediments and alluvial fans, Sierra Boca Grande, northwestern Chihuahua*. Pages 49-51 in Geology of South-central New Mexico, Guidebook for the 1986 Field Conference, El Paso Geological Society: El Paso, TX, 165 pp.
3. Marston, R.A. 1983. *Dust storm potential in the Chihuahuan Desert, Mexico*. Pages 403-410 in Geology and Mineral Resources of North-Central Chihuahua, Guidebook for the 1983 Field Conference, El Paso Geological Society: El Paso, TX, 455 pp.
2. Schmidt, R.H., Jr. and Marston, R.A. 1983. *The Samalayuca Dune Field, Chihuahua, Mexico*. Pages 417-423 in Geology and Mineral Resources of North-Central Chihuahua, Guidebook for the 1983 Field Conference, El Paso Geological Society: El Paso, TX, 455 pp.
1. Marston, R.A. and Schmidt, R.H. 1981. *Geomorphic parameters of Los Medanos de Samalayuca, Chihuahua, Mexico*. Pages 22-25 in Geology of the Border, Southern New Mexico-Northern Chihuahua, Guidebook for the 1981 Field Conference, El Paso Geological Society: El Paso, TX, 96 pp.

Review Articles

8. Marston, R.A. 1992. Review of *Global Geomorphology* (by M. Summerfield, Longman Scientific and Technical, 1991). Professional Geographer 44(4): 492-493.
7. Marston, R.A. 1992. Review of *World Geomorphology* (by E.M Bridges, Cambridge University Press, 1991). Journal of Geography 91(1): 43.
6. Marston, R.A. 1991. Conference report on Association of American Geographers Great Plains-Rocky Mountain Division. *Great Plains Research* 1(2): 345-346.
5. Marston, R.A. 1991. Review of *Arid Zone Geomorphology* (ed. by G. Thomas, Belhaven Press and Halsted Press, 1989). Journal of Geological Education 39(5): 433.
4. Marston, R.A. 1989. Review of *Modeling Geomorphological Systems* (ed. by M.G. Anderson, Wiley & Sons, 1988). Professional Geographer 41(4): 502-503.
3. Marston, R.A. and Baker, V.R. 1987. Review of Quaternary Geology and Geomorphology. *Geotimes* 32(2): 26-27.

2. Marston, R.A. 1986. Review of *Fluvial Forms and Processes* (by D. Knighton, Edward Arnold, 1984). *Geographical Review* 76(3): 345-346.
1. Marston, R.A. 1982. Review of *Alaska's Glaciers* (by B. Molnia, Alaska Geographic Society, 1982). *El Paso Times*: June 6, 1982.

Technical Reports

26. Marston, R.A., Paxton, S.T., Collins, K.L., and Pickup, B.E. 2001. *Geomorphology and Sedimentology of the Canadian River Alluvium Adjacent to the Norman Landfill, Norman, Oklahoma*. Final Report prepared for the Environmental Institute/Oklahoma Water Resources Research Institute, Oklahoma State University: Stillwater, OK, 177 pp.
25. Marston, R.A. 1993. *Sediment transport in mountain streams of the Colorado-Wyoming Rocky Mountains--a state-of-the-art review*. Stage 1b and Stage 3 Progress Reports, prepared for USDA-Forest Service Forest and Range Experiment Station: Fort Collins, CO, 36 pp.
24. Marston, R.A. and Wick, D.A. 1993. *Separation of clearcutting impacts from natural variability in mountain streams of the Medicine Bow National Forest, Wyoming*. Stage 2 Progress Report prepared for USDA-Forest Service Forest and Range Experiment Station: Fort Collins, CO, 78 pp.
23. Marston, R.A. 1993. *Changes in Geomorphic Processes in the Snake River Following Impoundment of Jackson Lake and Potential Changes due to 1988 Fires in the Watershed*. Final Report prepared for the University of Wyoming-National Park Service Research Center: Laramie, WY, 129 pp.
22. Marston, R.A. and Wick, D. 1992. *Processes and Prediction of Natural and Human-Induced Sediment Introduction to Mountain Streams*. Stage 1a Progress Report prepared for USDA-Forest Service Forest and Range Experiment Station: Fort Collins, CO, 46 pp.
21. Marston, R.A. 1992. *Changes in Geomorphic Processes in the Snake River Following Impoundment of Jackson Lake and Potential Changes due to 1988 Fires in the Watershed*. 1992 Semiannual Report prepared for the University of Wyoming-National Park Service Research Center: Laramie, WY, 9 pp.
20. Marston, R.A. 1992. *Changes in Geomorphic Processes in the Snake River Following Impoundment of Jackson Lake and Potential Changes due to 1988 Fires in the Watershed*. 1992 Annual Report prepared for the University of Wyoming-National Park Service Research Center: Laramie, WY, 103 pp.
19. Marston, R.A. 1991. *Changes in Geomorphic Processes in the Snake River Following Impoundment of Jackson Lake and Potential Changes due to 1988 Fires in the Watershed*. Pages 152-154 in Plumb, G. (ed.), University of Wyoming-National Park Service Research Center Fourteenth Annual Report. UW-NPS Research Center: Laramie, WY, 304 pp.
18. Marston, R.A. 1991. *Changes in Geomorphic Processes in the Snake River Following Impoundment of Jackson Lake and Potential Changes due to 1988 Fires in the Watershed*. 1991 Semiannual Report prepared for the University of Wyoming-National Park Service Research Center: Laramie, WY, 14 pp.
17. Marston, R.A. 1991. *Changes in Geomorphic Processes in the Snake River Following Impoundment of Jackson Lake and Potential Changes due to 1988 Fires in the Watershed*. 1991 Annual Report prepared for the University of Wyoming-National Park Service Research Center: Laramie, WY, 27 pp.
16. Marston, R.A. and Mills, J.D. 1991. *Wyoming's Jackson Lake Dam, Horizontal Channel Stability, and Floodplain Vegetation Dynamics*. Project Report prepared for the University of Wyoming-National Park Service Research Center: Laramie, WY, 54 pp. + 7 plates.
15. Marston, R.A. 1990. *Changes in Geomorphic Processes in the Snake River Following Impoundment of Jackson Lake and Potential Changes due to 1988 Fires in the Watershed*. Pages 85-90 in Boyce, M. and Plumb, G. (eds.), University of Wyoming-National Park Service Research Center Fourteenth Annual Report. UW-NPS Research Center: Laramie, WY, 207 pp.
14. Marston, R.A. 1990. *Changes in Geomorphic Processes in the Snake River Following Impoundment of Jackson Lake and Potential Changes due to 1988 Fires in the Watershed*. 1990 Semiannual Report prepared for the University of Wyoming-National Park Service Research Center: Laramie, WY, 14 pp.

13. Marston, R.A., Shroder, J.F. and Schmitt J.G. 1990. *Changes in Geomorphic Processes in the Snake River Following Impoundment of Jackson Lake and Potential Changes due to 1988 Fires in the Watershed*. 1990 Annual Report prepared for the University of Wyoming-National Park Service Research Center: Laramie, WY, 87 pp.
12. Marston, R.A., Shroder, J.F. and Schmitt, J.G. 1990. *Changes in Geomorphic Processes in the Snake River Following Impoundment of Jackson Lake and Potential Changes due to 1988 Fires in the Watershed*. Pages 99-105 in Boyce, M. and Menkens, G. (eds.), University of Wyoming-National Park Service Research Center Thirteenth Annual Report. UW-NPS Research Center: Laramie, WY, 242 pp.
11. Pochop, L.O., Marston, R.A., Kerr, G.L., and Varuska, M.L. 1989. *Recent Trends in Glaciers and Snowmelt Runoff, Wind River Range, Wyoming*. Final Project Report WWRC-89-05 Prepared for the Wyoming Water Research Center and State of Wyoming: Laramie, WY, 65 pp.
10. Marston, R.A. and Clarendon, D.T. 1988. *Land Systems Inventory: Medicine Bow Mountains and Sierra Madre, Medicine Bow National Forest, Wyoming*. Final Report Prepared for the U.S. Forest Service, Medicine Bow National Forest: Laramie, WY, 46 pp.
9. Marston, R.A. and Dolan, L.S. 1988. *Estimates of Upland Erosion and Runoff in an Arid Watershed in Wyoming*. Final Project Report WWRC 88-06 Prepared for the U.S. Geological Survey and Wyoming Water Research Center: Laramie, WY, 106 pp.
8. Marston, R.A. and Gillespie, B.M. 1987. *Controlled Field Experiments to Assess Maneuver Impacts on Eolian Transport and Soil Compressive Strength*. Final Project Report Prepared for the Environmental Office, Fort Bliss Military Reservation: El Paso, TX, 193 pp.
7. Marston, R.A. 1984. *Assessment of Maneuver-Caused Erosion Impacts, Fort Bliss Military Reservation*. Final Project Report Prepared for the Environmental Office, Directorate of Facilities Engineering, Ft. Bliss Military Reservation: El Paso, TX, 163 pp.
6. Marston, R.A., Lloyd, W.J. and Peeples, W.J. 1983. *Water Resource Development Options for Southeast El Paso County*. Final Project Report Prepared for the Horizon Communities Improvement Association: El Paso, TX, 127 pp. + plates.
5. Marston, D. and Deming, T. 1979. *Stream Assessment Surveys, Waldport Ranger District, 1979*. Technical Report Prepared for the U.S. Forest Service, Siuslaw National Forest: Corvallis, OR, 376 pp.
4. Marston, R.A. 1979. *A Channel Stability Evaluation Procedure for the Siuslaw National Forest*. Technical Report No. 00-D4T0-9-226, U.S. Forest Service, Siuslaw National Forest: Corvallis, OR, 53 pp. + app.
3. Marston, R.A. 1978. *Morphometric Indices of Streamflow and Sediment Yield from Mountain Watersheds in Western Oregon*. Technical Report No. 00-D4T0-9-73, U.S. Forest Service, Siuslaw National Forest: Corvallis, OR, 74 pp.
2. Marston, D. and Jong, B. 1978. *Stream Assessment Surveys, Waldport Ranger District, 1978*. Technical Report Prepared for the U.S. Forest Service, Siuslaw National Forest: Corvallis, OR, 207 pp.
1. Marston, R.A. 1976. *Laboratory Design for Salinity and Tidal Inundation Experiments with Selected Salt Marsh Species*. Technical Report Prepared for the U.S. Environmental Protection Agency, Corvallis Environmental Research Laboratory, Criteria and Assessment Branch: Corvallis, OR, 68 pp.

Teaching and Service Publications

8. Marston, R.A. 2002. *Class Notes for Geol. 3503: Environmental Geology*. School of Geology, Oklahoma State University: Stillwater, OK, 218 pp.
7. Marston, R.A., Beiswenger, R.E. and Jacobsen, J.E. (comp. 1990 (3rd ed.). *Management of Major River Basins: A Compilation of Readings for Students in G&R 608*. Department of Geography & Recreation, University of Wyoming: Laramie, WY, 371 pp.
6. Marston, R.A. 1988 (2nd ed.). *Fluvial Geomorphology: A Study Guide for Students in G&R 710*. Department of Geography and Recreation, University of Wyoming: Laramie, WY 111 pp.

5. Marston, R.A. and Weaver, G.D. 1988 (9th ed.). *Physical Geography: A Study Guide for Students in G&R 301*. Department of Geography and Recreation, University of Wyoming: Laramie, WY, 182 pp.
4. Marston, R.A. (ed.) 1986. *Geomorphorum: Newsletter of the Geomorphology Specialty Group*, Association of American Geographers: Fall, 1986, 17 pp.
3. Marston, R.A. (ed.) 1986. *Geomorphorum: Newsletter of the Geomorphology Specialty Group*, Association of American Geographers: Spring, 1986, 11 pp.
2. Marston, R.A. 1986 (4th ed.). *Groundwater Hydrology: A Study Guide for Students in Geol. 3464*. Department of Geological Sciences, University of Texas at El Paso: El Paso, TX, 139 pp.
1. Marston, R.A. 1985 (5th ed.). *Remote Sensing: A Study Guide for Students in Geog. 3308*. Department of Geological Sciences, University of Texas at El Paso: El Paso, TX, 28 pp.

Consultant's Reports

32. Marston, R.A. 2002. *Remedial Measures for Eroded Banks along the Little Washita River at the Transok Pipeline Crossing, Grady County, Oklahoma*. Consultant's Report Prepared for McKinney and Stringer on behalf of Enogex, Inc.: Oklahoma City, OK, 5 pp.
31. Marston, R.A. 2002. *Geomorphic Assessment of the Little Washita River at the Transok Pipeline Crossing, Grady County, Oklahoma*. Consultant's Report Prepared for McKinney and Stringer on behalf of Enogex, Inc.: Oklahoma City, OK, 14 pp.
30. Marston, R.A. 2001. *Review of the "Salmon Matrix" Prepared for the Pacific Lumber Company as Part of Their Habitat Conservation Plan*. Consultant's Report Prepared for the University of Miami Independent System for Peer Reviews: Miami, FL, 16 pp.
29. Marston, R.A. 1998. *Aerial Photo Analysis of Potential Hazardous Waste Contamination near Allegan, Michigan*. Consultant's Report Prepared for PTI Environmental Services: Boulder, CO, 4 pp.
28. Marston, R.A. 1995. *Review of the Streamside Tailings Geomorphic Stability, Silver Bow Creek, Montana*. Consultant's Report Prepared for Parcel, Mauro, Hultin & Spaanstra, Attorneys at Law: Denver, CO, 7 pp.
27. Marston, R.A. 1994. *Review of the Long Creek Allotment, Beaverhead National Forest, Montana*. Consultant's Report prepared for Dr. Clayton Marlow, Montana State University: Bozeman, MT, 6 pp.
26. Marston, R.A. 1986. *Environmental Planning Maps for the City and County of El Paso*. Consultant's Report Prepared for El Paso Department of Planning, Research and Development: El Paso, TX, 55 pp. 67 plates.
25. Marston, R.A. 1986. *Well Logs for El Paso County, Texas*. Consultant's Report Prepared for Charles B. Reynolds, Consultants: Albuquerque, NM, 133 plates.
24. Marston, R.A. 1986. *Bibliography of Water Resources in the El Paso Border Region* (update of 1985 edition). Consultant's Report Prepared for Lee Wilson and Associates: Santa Fe, NM, 52 pp.
23. Marston, R.A. 1985. *Penman Potential Evapotranspiration Calculations and Related Climate Data for El Paso, Texas*. Consultant's Report Prepared for Lee Wilson and Associates: Santa Fe, NM, 25 pp.
22. Cardenas and Associates (contributing author) 1985. *Environmental Assessment of a Proposed U.S. Border Patrol Station and Bus Maintenance Facility*. Consultant's Report Prepared for U.S. Border Patrol: El Paso, TX.
21. Marston, R.A., Peeples, W.J. and Raksaskulwong, M. 1985. *Electrical Surveys for Groundwater in the Vicinity of the Mountain Shadow Lakes Project, El Paso County, Texas*. Consultant's Report Prepared for Horizon Communities Improvement Association: El Paso, TX, 19 pp.
20. Marston, R.A. 1985. *Potential Groundwater Supply from a Parcel of Land One-Half Mile Northwest of Fabens, Texas*. Consultant's Report Prepared for Jan-Car, Inc.: El Paso, TX, 16 pp.
19. Cardenas and Associates (contributing author) 1985. *Environmental Assessment of a Proposed Solid Waste Disposal Site at Kirtland Air Force Base, New Mexico*. Consultant's Report Prepared for U.S. Air Force: Kirtland Air Force Base, NM, 19 pp. + app.

18. Marston, R.A. 1985. *Remote Sensing and Drainage Texture Analysis: North-Central Kimble County and South-central Menard County in Texas*. Consultant's Report Prepared for M.T. Aiken, Consulting Petroleum Geologist: San Angelo, TX, 7 pp. + plates.
17. Lloyd, W.J. and Marston, R.A. 1985. *Water Well Development Options in the Vicinity of Dell City, Texas*. Consultant's Report Prepared for City of Dell City: Dell City, TX, 22 pp.
16. Marston, R.A. 1985. *Geology Report: Application for Texas Department of Water Resources Part B Permit, Border Steel Mills Hazardous Waste Facilities*. Consultant's Report Prepared for Danny R. Anderson, Consultants: El Paso, TX, 37 pp.
15. Marston, R.A., Lloyd, W.J. and Dupuy, J.R. 1985. *Water Resources of the Hueco Bolson-Tularosa Basin, Mesilla Bolson-Lower Rio Grande, and Trans-Pecos Region of Texas: Annotated Bibliography and Selected Abstracts*. Consultant's Report Prepared for Lee Wilson and Associates: Santa Fe, NM, 212 pp.
14. Marston, R.A. and Lloyd, W.J. 1984. *Potential Groundwater Supply in the Vicinity of Horizon Lake, El Paso County, Texas*. Consultant's Report Prepared for Horizon Communities Improvement Association: El Paso, TX, 31 pp.
13. Lloyd, W.J. and Marston, R.A. 1984. *Municipal and Industrial Water Supply in Ciudad Juarez, Mexico: Current Status and Future Prospects*. Consultant's Report Prepared for Ford Motor Company: Dearborn, MI, 67 pp.
12. Marston, R.A. 1984. *Geomorphic Assessment of the Breach of the Graveyard Wash Outlet Channel near Safford, Arizona, in November, 1978*. Consultant's Report Prepared for Michael A. Carragher, Attorney at Law: Douglas, AZ, 36 pp.
11. Marston, R.A. 1984. *Potential for Migration of Hazardous Waste Constituents from Proler International Corporation facilities to Water Supply Wells or Surface Water*. Consultant's Report Prepared for Danny R. Anderson, Consultants: El Paso, TX, 39 pp.
10. Marston, R.A. 1983. *Watershed Analysis in the Vicinity of the ASARCO Smelter, El Paso, Texas*. Consultant's Report Prepared for Sergeant, Hauskins, and Beckwith: Phoenix, AZ, 2 pp. + maps.
9. Danny R. Anderson Consultants (contributing author) 1982. *Site Suitability Study for the Northeast El Paso (McCombs) Landfill Expansion*. Consultant's Report Prepared for City of El Paso Engineering Dept.: El Paso, TX, 21 pp. + app.
8. Marston, R.A. 1982. *Potential for Migration of Hazardous Waste Constituents from Border Steel Mills to Water Supply Wells or Surface Water*. Consultant's Report Prepared for Danny R. Anderson, Consultants: El Paso, TX, 14 pp. + app.
7. Marston, R.A. 1982. *Compliance by Border Steel Mills with Texas New Industrial Solid Waste Management Rules*. Consultant's Report Prepared for Danny R. Anderson, Consultants: El Paso, TX, 5 pp. + app.
6. Marston, R.A. 1981. *Compliance by Steere Tank Lines with Texas New Industrial Solid Waste Management Rules*. Consultant's Report Prepared for Danny R. Anderson, Consultants: El Paso, TX, 5 pp. + app.
5. V.T.N. Colorado, Inc. (contributing author) 1976. *Preliminary Reclamation and Revegetation Design Criteria for the Colowyo Coal Mine*. Consultant's Report Prepared for W.R. Grace and Company: Denver, CO, 56 pp.
4. ____ 1975. *Environmental Impact Assessment--Proposed Molybdenum Facility, Custer County, ID*. Consultant's Report Prepared for Tuscarora Mining Corp: Los Angeles, CA, 346 pp. + app.
3. ____ 1975. *Socioeconomic and Environmental Land Use Survey, Moffatt and Rio Blanco Counties, CO*. Consultant's Report Prepared for W.R. Grace and Company: Denver, CO, 179 pp. + app.
2. ____ 1974. *Draft Environmental Impact Statement for the Proposed Colowyo Mine of Colowyo Coal Company*. Consultant's Report Prepared for W.R. Grace and Company: Denver, CO, 179 pp. + app.
1. ____ 1974. *Environmental Assessment Report for the Emory Mine Project*. Consultant's Report Prepared for Consolidation Coal Company and Kemmerer Coal Company: Denver, CO, 118 pp. + app.

CONTRACTS & GRANTS

38. **2002-2005** *U.S.-India Cooperative Research: Investigation of Activity along the Himalayan Main Central thrust: Present Geomorphology and Past Slip, Garhwal, NW India.* Co-PI (with E. Catlos), grant from National Science Foundation, International Program (Africa, Near East & S. Asia): \$36,000
37. **2002-2005** *NSF-REU Site: New Frontiers—Research Experience for Undergraduates in Space and Planetary Sciences.* Co-PI (with D. Sears, T. Kral, S. McKeever), grant from National Science Foundation, Special Programs in Astronomy: \$210,810 (\$70,770 subcontract to OSU)
36. **2002-2005** *Factors Influencing Fish Populations in Oklahoma Waters.* Co-PI (with W. Fisher), grant from the Oklahoma Department of Wildlife Conservation: \$150,000.
35. **2001-2003** *Hypothesis-Based Learning in Earth Science.* Co-PI (with T. Wikle), grant from U.S. Department of Education: \$235,624 + \$78,541 match = \$314,165 (additional funds for 2002-03 TBA)
34. **2001-2002** *Ridge and Furrow Morphology of Rock Glaciers: Implications for Water on Mars.* PI, grant from University of Arkansas-Oklahoma State University Center for Space and Planetary Sciences; \$14,890
33. **2000-2001** *Geomorphology and Sedimentology of the Canadian River Alluvium Adjacent to the Norman Landfill, Norman, Oklahoma.* Co-PI (with S.T. Paxton), grant from U.S. Geological Survey and Oklahoma Water Resources Research Institute; \$42,289 + \$84,578 match = \$126,867
32. **1999-2000** *Spatial-Temporal Distribution of Large Woody Debris Accumulations in the Snake River, Grand Teton National Park, Wyoming.* PI, grant from National Park Service; \$4500.
31. **1999** *Water Quality Monitoring Protocols for Wyoming Streams* Co-PI (K.J. Reddy, PI), grant from Wyoming Department of Environmental Quality; \$27,636
30. **1995-1997** *Collaborative Research: Crustal Reworking during Orogeny--An Active Himalayan Perspective.* Sub-contractor (P. Zeitler, Lehigh University, PI), grant from National Science Foundation, Continental Dynamics Program; \$2,094,987 (\$19,311 to UW)
29. **1995, 1989, 1985, 1981, 1980** *Expeditionary Training and Research Participation in Arctic and Mountain Sciences, Summer Institute of Glaciological and Arctic Sciences.* Academic Staff, Juneau Icefield Research Program; stipend and funds for field expenses awarded by the National Science Foundation, University of Idaho, Foundation for Glacier and Environmental Research; Juneau Icefield, AK-BC; \$4,580
28. **1995-1996** *Workshop for K-12 Teachers on "Wilderness and Water"* Co-Principal Investigator (with L. Marston and R. Beiswenger), grant from U.S. Environmental Protection Agency Environmental Education for Teachers Program; \$5,872
27. **1994-1995** *Participation in an International Conference and Research Collaboration in France.* French Ministry of Foreign Affairs (\$500); Université de Paris I-Pierre Birot, Laboratoire de Géographie Physique (\$600); International Travel Grant, University of Wyoming International Programs Office (\$1,400); Faculty Growth Award, University of Wyoming Alumni Association (\$400); total = \$2,900
26. **1992-1993** *Floodplain Disturbance and Landscape Diversity: Upper Rhone River, France.* Principal Investigator, Fulbright Research Award from J. William Fulbright Foreign Scholarship Board, U.S. Information Agency, U.S. Council for International Exchange of Scholars, and Franco-American Commission on Educational Exchange; FF126,000 = \$24,000
25. **1992-1993** *Forest Management, Channel Adjustment, and Sediment Transport in Forest Streams of the Wyoming-Colorado Rocky Mountain Region.* Principal Investigator, grant from USDA Rocky Mountain Forest and Range Experiment Station; \$31,395

24. **1989-1993** *Changes in Geomorphic Processes in the Snake River Following Impoundment of Jackson Lake and Potential Changes due to 1988 Fires in the Watershed.* Principal Investigator, grant from National Park Service; \$68,921
23. **1992** *Floodplain Disturbance and Landscape Diversity: Araguaia River, Goias, Brazil.* Co-Principal Investigator (R. Pace and G. Brown, Co-PIs), Grant from Office of Research, University of Wyoming, and Partners for the Americas, U.S. Agency for International Development; \$13,000
22. **1990-1991** *Water Conflicts in the El Paso Border Region.* Principal Investigator, Basic Research Grant from University of Wyoming College of Arts & Sciences Central Committee; \$1,750
21. **1989-1990** *Impact of the 1988 Yellowstone Region Fires on Upland Runoff and Soil Loss.* Principal Investigator, grant from Chevron U.S.A., Inc.; \$10,000
20. **1988-1990** *Computer Generated Wyoming Water Atlas.* Co-Principal Investigator (with L.M. Ostresh), grant from Wyoming Water Development Commission; \$101,463
19. **1989-1990** *Water Storage in Dinwoody Glacier: Implications for Future Water Supplies.* Co-Principal Investigator (with L.O. Pochop and G.L. Kerr), State Grant-in-Aid from Wyoming Water Research Center and State of Wyoming; \$28,000
18. **1988-1989** *Recent Trends in Glacier and Snowmelt Runoff, Wind River Range, Wyoming.* Co-Principal Investigator (with L.O. Pochop and G.L. Kerr), State Grant-in-Aid from Wyoming Water Research Center and State of Wyoming; \$16,932
17. **1988** *Mass Wasting in the Manaslu-Ganesh and Langtang-Jugal Himal of Central Nepal.* Principal Investigator; travel grant from National Academy of Sciences-National Research Council to present a paper at the 26th International Geographical Congress in Sydney, Australia; \$1,000
16. **1987-1988** *Channel Maintenance Flows in the Medicine Bow Mountains and Sierra Madre, Medicine Bow National Forest, Wyoming.* Principal Investigator, contract with U.S. Forest Service, Medicine Bow National Forest; \$9,820
15. **1987-1988** *A Land Classification of the Medicine Bow Mountains and Sierra Madre, Medicine Bow National Forest, Wyoming.* Principal Investigator, contract with U.S. Forest Service, Medicine Bow National Forest; \$9,720
14. **1987-1988** *Effect of Terrain Type, Channel Morphology and Watershed Morphometry on Upland Production of Sediment, Fifteenmile Creek Watershed, Wyoming.* Principal Investigator, matching grant from U.S. Geological Survey and Wyoming Water Research Center; \$33,975
13. **1987-1988** *A Geomorphic Approach to Estimating Peak Flows in Ungaged Mountain Streams, Survey of Mass Wasting, Modeling of Streamflow Controlled by Glacial Meltwater, and a Sediment Budget for a Small Disturbed Subalpine Catchment.* Research Scientist, University of Idaho Geological Expedition to the Manaslu-Ganesh Himal, Nepal; grants, travel funds, and publication costs from Foundation for Glacier and Environmental Research (\$3,265), Wyoming Water Research Center (\$1,600), UW College of Arts & Sciences Basic Research Grant (\$1,650), and Department of Geography & Recreation (\$535); total = \$7,050
12. **1987** *Mapping of Erosion Response Units in the Fifteenmile Creek Watershed of North-Central Wyoming.* Principal Investigator, grant from Wyoming Water Research Center; \$3,298
11. **1985-1987** *Controlled Field Experiments to Assess Magnitude and Persistence of Maneuver Impacts on Aeolian Form and Process.* Principal Investigator, contract with Ft. Bliss Military Reservation; \$27,800

10. **1984** *Late Quaternary Landform Evolution of the Langtang Valley and Helambu Region in Himalayas of Nepal.* Research Scientist, University of Idaho Geological Expedition to Langtang Valley and Helambu region, Nepal Himalayas; U.T. El Paso Faculty Development Grant and Department of Geological Sciences Gift Fund; \$1,800
9. **1984** *Threshold Slope Roughness for Rill and Gully Erosion in Los Alamos National Environmental Research Park.* Principal Investigator, stipend awarded by Associated Western Universities; \$2,814
8. **1983-1984** *Dust Storm Potential in the Chihuahuan Desert, United States and Mexico.* Principal Investigator, U.T. El Paso Mini-Grant; \$423
7. **1983-1984** *Computer Modeling of Trans-Border Groundwater Resources.* Principal Investigator, U.T. El Paso Research Grant; El Paso, TX; \$700
6. **1983** *Groundwater Survey and Water Resource Development Options for Southeast El Paso County.* Principal Investigator, grant from Horizon Communities Improvement Association; \$85,800
5. **1982-1983** *Integrated Geophysical-Landsat Survey for Mineral Occurrence in the Hardeman Basin, Oklahoma-Texas.* Co-Investigator (G.R. Keller, Principal Investigator), gift to U.T. El Paso Geophysics Gift Fund from Durham, Inc.; \$10,000
4. **1981-1983** *Assessment of Maneuver-Caused Wind Erosion Impacts in the Tularosa Basin of Southern New Mexico.* Principal Investigator, contract with Ft. Bliss Military Reservation; El Paso, TX; \$36,825
3. **1981-1982** *International Implications of Groundwater Development in the Mesilla Bolson.* Co-Principal Investigator (with W.J. Lloyd), U.T. El Paso Faculty Research Grant; \$2,000
2. **1980-1981** *Geographic Analysis of Long-Term Streamflow Trends in the Rio Grande Below El Paso, Texas.* Co-Principal Investigator (with W.J. Lloyd), U.T. El Paso Faculty Research Grant; \$1,430
1. **1978-1980** *Geomorphic Significance of Log Steps in Forest Streams of the Oregon Coast Range.* Principal Investigator; cooperative agreement with U.S. Forest Service, Siuslaw National Forest, and Pacific Northwest Forest and Range; \$13,655

SUMMARY OF PROFESSIONAL PRESENTATIONS (full listing at end of vitae)

19 papers/posters presented (11 invited) at international meetings or workshops
57 papers/posters presented (12 invited) at national meetings or workshops
40 papers/posters presented (3 invited) at regional meetings or workshops
76 seminars presented (65 invited) at universities or for government agencies, private organizations
28 workshops and field courses presented (all invited)
32 talks presented (all invited) to service organizations; radio/TV interviews

TOTAL: 252 presented (150 invited)

SERVICE

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

Membership/Fellowship in Professional and Honorary Societies

American Geophysical Union (AGU): Life Member since 1995

American Institute of Hydrology (AIH): Certified Professional Hydrologist since 1984, recertified 1991

Association of American Geographers (AAG): Member since 1976

Association of Earth Science Editors (AESE): Member since 2000

Association of Geoscientists for International Development (AGID): Life Member since 1994

The Explorers Club: Fellow since 1995

Fulbright Association: Member 1994-1997, Life Member since 1998

Geological Society of America (GSA): Member 1983-1996, Fellow since 1997

International Mountain Society (IMS): Member since 1991

Oklahoma City Geological Society (OCGS): Member since 2001

Royal Geographical Society (RGS): Fellow since 1991

Sigma Xi, Honorary Scientific Research Society: Member since 1980

Office (Appointed and Elected) and Service in Professional and Honorary Societies

12. 1996-present: Volunteer Service to Partners for Education Program (PEP), Geological Society of America

11. 1997-1999: Elected Secretary, Association of American Geographers, July 1997-June 1999

10. 1996-1999: Elected Regional Councillor, Great Plains-Rocky Mountain Division, Association of American Geographers, July 1996-June 1999

9. 1995-1999: Appointed Member, Steering Committee, Binghamton International Symposia in Geomorphology

8. 1993-1995: Appointed Member, Scientific Committee, Conference on *Quaternary Paleodrainage Systems*, Unité de Formation et de Recherche des Sciences Historiques et Géographiques, Université de Nancy II, Nancy, France; 6-8 September 1995

7. 1993-1995: Appointed Member, Scientific Committee, Conference on *Floods, Slopes and River Beds*, Laboratoire de Géographie Physique, Universités de Paris I et Paris VIII, Paris, France; March 1995

6. 1992-1995: Appointed Member, American Geomorphological Coordinating Board, Association of American Geographers and Geological Society of America

5. 1992-1994: Appointed Co-Chair, Technical Program Committee, 1994 Spring Symposium, American Water Resources Association in Jackson, WY; 24-26 June 1994

4. 1992: Appointed Chair, Awards Committee, Geomorphology Specialty Group, Association of American Geographers (Member of Awards Committee 1990-1992)

3. 1991: Elected Chair, Great Plains-Rocky Mountain Division, Association of American Geographers (Vice-Chair for 1990); organized annual meeting of the AAG-GPRM Division in Laramie; 5-7 September 1991

2. 1986: Elected Chair, Geomorphology Specialty Group, Association of American Geographers (Secretary-Treasurer for 1985-86)

1. 1986: Elected President, U.T. El Paso Chapter of Sigma Xi, Honorary Scientific Research Society (Vice President for 1985)

Review/Editorial Boards

9. Co-Editor-in Chief, *Geomorphology*, 1999-present (appointed through 2007)
8. Member (appointed), Science Advisory Council, Greater Yellowstone Coalition, 1988-1996, 1998-present
7. Member (appointed), Editorial Board, *Journal of Geography*, 1988-1999
6. Member (invited), National Science Foundation Research Workshop on Infrastructure Needs in Geography and Regional Science; Los Angeles, CA; 6/2/98
5. American Correspondent (appointed), Comité de Direction, *Annales de Géographie*, 1995-1996
4. Associate Editor for Physical Geography (appointed), *Annals of the Association of American Geographers*, 1991-93
3. Member (appointed), Awards Committee, Geomorphology Specialty Group, Association of American Geographers, 1990-93
2. Member (appointed), Committee of Visitors to review the Geography and Regional Science Program, National Science Foundation, 1991
1. Member (appointed), Editorial Board, *Great Plains-Rocky Mountain Geographical Journal*, 1990-91

Grant Review Panels

6. Member, EPA Graduate Fellowships in Geology Program: 2002
5. Member, Peer Review Committee for Evaluation of Colorado River Recovery Program: 1998-1999
4. Member, NSF Integrated Graduate Education and Research Training Program (IGERT) Panel: 1998
3. Member, EPA-NSF-USDA Water and Watersheds Peer Review Panel: 1998, 1997
2. Member, Geography and Regional Science Advisory Panel, National Science Foundation: 1993-95
1. Chair, Review Panel for 1987 Wyoming Water Research Center State Grants-in-Aid: 1987

Review of Grant Proposals, Applications for Tenure and Promotion

American Chemical Society: 1987

American Philosophical Society: 1998

Arizona State University (sabbatical leave proposal): 1987

Dartmouth College: 2002

East Carolina University (tenure and promotion application): 2001

Guggenheim Foundation: 2001

Kansas State University (mid-probationary tenure and promotion review): 1993

Kansas State University (tenure and promotion review): 1995

Michigan State University (tenure and promotion application): 2000

Montana Agricultural Experiment Station: 1989

Montana State University, Department of Earth Sciences (tenure and promotion application): 1994, 1989

Montana Water Research Center: 1987, 1986

National Fish and Wildlife Foundation: 1995

National Geographic Society, Committee on Research and Exploration: 2001, 1996, 1994, 1993, 1989

National Science Foundation, Arctic Natural Sciences: 2002

National Science Foundation, Climate Dynamics Program: 1996 (2)

National Science Foundation, EPSCOR/IDAHO Program: 1985
National Science Foundation, EPSCOR/MONTS Program: 1993, 1992, 1989
National Science Foundation, Geography & Regional Science Program: 2001, 2000, 1997, 1996, 1995(23), 1994(34), 1993(16), 1992(2), 1991(2), 1989
National Science Foundation, Geology & Paleontology Program: 1997
National Science Foundation, Hydrologic Sciences Program: 1998, 1997(2)
National Science Foundation, Integrative Graduate Education and Research Training (IGERT) Program: 1998(8)
National Science Foundation, International Programs: 1995
National Science Foundation, Polar Studies Program: 1986
Oregon State University, Department of Geosciences (tenure/promotion applications): 1998, 1997
Purdue University, Department of Atmospheric and Earth Sciences (promotion application): 2000
University of Alabama, Department of Geography (tenure/promotion application): 1992
University of Colorado at Denver: 1997 (tenure/promotion application), 1995 (reappointment application)
University of Idaho, Department of Geography (promotion applications): 1994
University of South Carolina, Department of Geography (tenure/promotion application): 1992
University of Wyoming-National Park Service Research Center: 1991(2)
University of Wyoming, Abandoned Coal Mine Lands Research Program: 1996, 1994, 1992, 1990
U.S. Geological Survey, North-Central Region Competitive Grants: 1998
Utah State University, Department of Geography and Earth Resources (tenure/promotion application): 1995
Utah Water Research Laboratory: 1992
Texas A&M University, Department of Geography (tenure/promotion application): 2001, 2000, 1994

Manuscript Refereeing (* = solicited by author)

Advances in Geoecology: 1995

American Water Resources Association Proceedings: 1994(110)

Annals of the Association of American Geographers: 1995, 1993(6), 1992(20), 1991(3), 1989

Binghamton International Series in Geomorphology: 1991

Blackwell Publishers: 2002 (draft book chapter)

Bulletin of Geological Society of America: 1988, 1987

Catena: 1993

Dover Publications, Inc.: 1992 (text reprint)

Earth Surface Processes and Landforms: 1999, 1998(2), 1997, 1996

Geographical Review: 1998

Geomorphology: 1997(20), 1996, 1995, 1992

Great Plains-Rocky Mountain Geographical Journal: 1990(2)

Holt, Rinehart and Winston: 1997 (chapters for earth science text)

Journal of the American Water Resources Association (formerly *Water Resources Bulletin*): 1986, 1984, 1982

Journal of Geography: 1997, 1993, 1992, 1991(2), 1990, 1988

Journal of Geology: 1997

Journal of Geophysical Research: 2002

Journal of Glaciology: 1992*

Mountain Research and Development: 1995, 1991

National Park Service Proceedings Series: 1993

North Atlantic Treaty Organization (NATO): 1988*

Oregon State University Press: 2002 (book chapter)

Physical Geography: 1999(2), 1995

Prentice-Hall: 2002 (chapters for physical geography textbook), 1989 (chapters for environmental geology textbook), 1989 (chapters for physical geology textbook)

Proceedings of the Conference on Floods, Slopes and River Beds: 1995 (6)

Proceedings of the International Symposium on Land Subsidence: 1990*

Professional Geographer: 1987

Science: 1994

Transactions, American Fisheries Society: 1992, 1990*, 1988(2)*

U.S. Fish and Wildlife Service, Colorado River Endangered Fish Recovery Program (Research Prospectus): 1998, 1999

U.S. Forest Service (Research Prospectus): 1996*, 1992*, 1982*, 1991*

U.S. Geological Survey: 1984 (Open-File Report), 1983 (Professional Paper)

Water Resources Research: 1998

West Educational Publishing: 1987 (textbook on physical geography)

Wiley: 2000 (book, CD), 1998 (book proposal), 1998 (book chapter), 1997 (book chapter), 1993 & 1994 (book proposals)

Wm. C. Brown Publishers: 1986 (textbook on environmental geology), 1985 (textbook on physical geology)

TRAVEL OUTSIDE THE USA and CANADA

Australia: 1988 (professional meeting, field excursion)

Brazil: 1992 (field expedition)

Costa Rica: 1977 (field excursion)

France: 1995 (2 professional meetings, seminar presentation, field research), 1993 (Fulbright research), 1992 (professional meeting, field excursion), 1984 (professional meeting, field excursion)

Germany: 1989 (professional meeting, field excursion)

Iceland: 1998 (field excursion)

Italy/Switzerland/Belgium/Luxembourg: 1997 and 1993 (professional meetings), 1984 (field excursion)

Monaco: 1993 (professional meeting)

Mexico: 1980-86 (field research, class field excursions)

Nepal: 1987 (field expedition), 1984 (field expedition)

Peoples Republic of China: 1999 (professional meeting, field excursion)

United Kingdom: 1993 (invited seminar and field excursion), 1984 (field excursion), 1981 (field excursion)

COMMITTEES (University, College, Department)

University Committee, year(s)

Member, Center for Space and Planetary Sciences (UA-OSU), 2001 to present
Member, Steering Committee, Environmental Institute (OSU), 1999 to present
Member, UW Athletic Planning Committee (UW), 1998-1999
Member, Steering Committee, UW Planetary and Space Science Center (UW), 1991-1998
Member, Wyoming Center for Global Change Studies (UW), 1990-91
Listed with University of Wyoming Speakers Bureau (UW), 1988-91
Chair, Rhoads Scholarship in Water Resources Selection Committee (UW), 1988-90
Member, Water Education Advisory Committee (UW), 1989-90
Member, Steering Committee for UW Global Climate Change Symposium (UW), 1988-89
Member, Working Group on Yellowstone Fire Research (UW), 1988
Narrator, Wyoming Water Development and Streamside Zones Tour (UW), 1987
Member, Search Committee for Director of the Wyoming Water Research Center (UW), 1987
Delegate (UTEP), Annual Meeting of Sigma Xi; Memphis, TN; October 1985
Member, Student Welfare and Grievance Committee (UTEP), 1982-85
Discussant, Lyceum Committee Presentation by Dr. Margaret Maxey on "Energy and Environment" (UTEP), 1983
Member, Vice President for Academic Affairs Ad Hoc Committee on Proposed Doctoral Degree in Environmental Science (UTEP), 1982-83
Advisor, Provisional Student Program (UTEP), 1982-83
Faculty Sponsor, Junior Scholars Program (UTEP), 1981-82

College Committee, year(s)

Member, Arts and Sciences Academic Planning Committee (UW), 1998-1999
Member, Arts and Sciences Ad Hoc Committee on Advising (UW), 1991-92
Arts and Sciences Phonathon (UW): 2/3/91
Member, Social Science Speakers Consortium (UW), 1986-90
Member, Search Committee for geomorphology position in Geology (UW), 1988-89
Member, Arts & Sciences Research Support Advisory Committee (UW), 1987-88

Department Committee, year(s)

Chair (Graduate Advisor), School of Geology Graduate Committee, 2001 to present
Chair, School of Geology Assessment Committee, 2001 to present
Member, School of Geology Personnel Committee (OSU), 2000 to present
Coordinator, Department Recruiting (UW), 1998-1999
Member, Committee to establish a new B.S. degree program in Environmental Science, University of Alaska Southeast (UAS), 1996-97

Member, Committee to establish a new Undergraduate Science Teaching Lab (UAS), 1996-97
Judge for National Geographic Society Geography Bee in Wyoming (UW), 1995-96, 1988-92
Member, Department Scholarship Committee (UW), 1995-96
Member, Committee to Review the Department Chair (UW), 1996
Chair, Search Committee for human geographer with recreation/tourism interests (UW), 1994-96
Search Committee, Office Specialist Position (UW), 1993
Founder and Faculty Advisor, UW (Eta Eta Eta) Chapter of Gamma Theta Upsilon, International Honor Society in Geography (UW), 1986-90
Member, Search Committee for human geography position (UW), 1989
Department Coordinator, National Geography Awareness Week (UW), 1987-89
Member (and Affirmative Action Coordinator), Search Committee for planning position (UW), 1988-89
Department Coordinator, University Science Day (UTEP), 1986
Supervisor, Remote Sensing Lab (UTEP), 1983-86
Member, Geological Sciences Scholarships Committee (UTEP), 1983-86
Geography Coordinator, University Honors Program (UTEP), 1982-86
Coordinator, John & Vida White Awards in Geography (UTEP), 1981-86
Supervisor, Photographic Lab (UTEP), 1981-86
Co-Supervisor, Cartographic Lab (UTEP), 1981-86
Member, Technical Sessions Committee (UTEP), 1982-84
Department Coordinator, Math-Science Tournament (UTEP), 1984
Member, Committee on Proposed B.A./B.S. Degrees in Geography (UTEP), 1981

CURRENT GRADUATE STUDENTS

Chris Neel, M.S. Geology (degree expected Fall 2002)
Marc Pearson, Ph.D. Environmental Science (degree expected Spring 2006)
Jerrod Smith, M.S. Geology (degree expected Summer 2002)
Robert Talley, M.S. Environmental Science (degree expected Spring 2004)

SUPERVISED THESES AND CREATIVE COMPONENT PAPERS

35. Smith, S.J. 2002. *Downstream fining in a sand-bed segment of the Canadian River, New Mexico, Texas and Oklahoma*. M.S. Thesis in Geology, Oklahoma State University: Stillwater, OK, 71 pp. + app. (co-supervised with S.T. Paxton)
34. Neto, J. 2002. *Municipal solid waste management and disposal safety in the City of Beira, Mozambique*. M.S. Thesis in Environmental Science, Oklahoma State University: Stillwater, OK, 79 pp.
33. Dudding, S. 2001. *Areal extent of lead and zinc contamination in the Boone Aquifer: Oklahoma, Kansas, Missouri, Arkansas*. Creative Component Paper in Environmental Science, Oklahoma State University: Stillwater, OK, 55 pp.
32. Pickup, B.E. 2001. *Horizontal instability of the Canadian River and implications for the Norman City landfill, Oklahoma*. M.S. Thesis in Geology, Oklahoma State University: Stillwater, OK, 76 pp.
31. Hope, R.N. 2001. *Heavy metals in fluvial sediments of the Picher Mining Field, Northeast Oklahoma*. M.S. Thesis in Geology, Oklahoma State University: Stillwater, OK, 66 pp.
30. Nordberg, V.G. 2000. *Effects of urbanization on storm runoff, San Gabriel Valley, California*. M.A. Thesis in Geography, University of Wyoming: Laramie, WY, 69 pp.
29. Wolken, G.J. 2000. *Energy balance and spatial distribution of net radiation on Dinwoody Glacier, Wind River Range, Wyoming, USA*. M.A. Thesis in Geography, University of Wyoming: Laramie, WY, 61 pp. (co-supervised with R.Reider)
28. Furin, D.M. 2000. *Geomorphic adjustment of reclaimed channels and hillslopes at a surface coal mine in northwest Colorado*. M.A. Thesis in Geography, University of Wyoming: Laramie, WY, 61 pp.
27. Massey, A.J. 2000. *Large woody debris loading in forest streams due to the 1997 Routt Divide Blowdown, Routt National Forest, Colorado*. M.A. Thesis in Geography/Water Resources, University of Wyoming: Laramie, WY, 47 pp. + app.
26. Ferree, J.D. 1999. *Geomorphic change over a twenty-year interval in harvested and unharvested watersheds of the Oregon Coast Range*. M.A. Thesis in Geography, University of Wyoming: Laramie, WY, 43 pp. + app.
25. Saunders, B.H. 1999. *The relationship between suspended sediment concentrations and ecoregions in the coterminous United States*. M.A. Thesis in Geography, University of Wyoming: Laramie, WY, 70 pp. + app.
24. Arneson, C.S. 1999. *Correlation between a modified DRASTIC Ground Water Vulnerability Model and non-point source contaminant occurrences in monitoring wells in Wyoming*. M.A. Thesis in Geography/Water Resources, University of Wyoming: Laramie, WY, 35 pp.
23. Norsby, D.J. 1998. *Discharge, sediment transport, and sediment residence time of the Raikot River, Buldar River, and Rupal River in Northern Pakistan*. M.A. Thesis in Geography/Water Resources, University of Wyoming: Laramie, WY, 58 pp.
22. Bereleson, W.L. 1997. *Vegetation uptake of copper and lead in stormwater runoff entering the Laramie River, Wyoming*. M.A. Thesis in Geography/Water Resources, University of Wyoming: Laramie, WY, 31 pp.
21. Marshall, S.C. 1997. *Effectiveness of calcium chloride on road dust suppression and effects on roadside water and soil, Denali National Park, Alaska*. M.A. Thesis in Geography/Water Resources, University of Wyoming: Laramie, WY, 39 pp.
20. McNamara, K.P. 1996. *The effects of landscape variables on headwater drainage development, Medicine Bow Mountains, Wyoming*. M.A. Thesis in Geography/Water Resources, University of Wyoming: Laramie, WY, 99 pp.

19. Bayer, K.B. 1995. *The spatial distribution of slope failures in the Medicine Bow Mountains and Sierra Madre, Wyoming*. M.A. Thesis in Geography, University of Wyoming: Laramie, WY, 106 pp.
18. Borges, M.M. 1995. *Tourism on the Rio Araguaia, Brazil: tourist's perceptions of change and motor boat erosion*. M.A. Thesis in Geography, University of Wyoming: Laramie, WY, 112 pp.
17. Castro, E. 1995. *Effects of geomorphology and flood regime on landscape structure of the Araguaia River Floodplain, Brazil*. M.A. Thesis in Geography, University of Wyoming: Laramie, WY, 71 pp.
16. Newton, J.W. 1995. *The significance of biogeomorphological processes among vegetation communities of the lower Ain River Floodplain, France*. M.A. Thesis in Geography, University of Wyoming: Laramie, WY, 43 pp.
15. Green, T. 1994. *Impacts of gravel mining on the Malnant River in East-Central France*. M.A. Plan B Paper in Geography, University of Wyoming: Laramie, WY, 33 pp.
14. Wrazien, D.R. 1993. *Horizontal channel migration and floodplain vegetation development--Snake River, Wyoming*. M.A. Thesis in Geography, University of Wyoming: Laramie, WY, 44 pp. + 1 pl..
13. Thorburn, J.L. 1993. *Irrigation diversions on the Laramie River, Wyoming--their effects on channel morphology and sinuosity*. M.A. Thesis in Geography, University of Wyoming: Laramie, WY, 71 pp.
12. Wick, D.A. 1993. *Separation of clearcutting impacts from natural variability in mountain streams of the Medicine Bow National Forest, Wyoming*. M.A. Thesis in Geography/Water Resources, University of Wyoming: Laramie, WY, 74 pp.
11. Greer, M. 1993. *Measuring balance of power models with United Nations Voting Blocs*. M.A. Thesis in Geography, University of Wyoming: Laramie, WY, 81 pp. (co-supervised with D. Paulson)
- 10b. Veryzer, D.J. 1992. *Recent glacier changes in the Wind River Range, Wyoming*. M.A. Plan B Paper in Geography, University of Wyoming: Laramie, WY, 9 pp.
- 10a. Veryzer, D.J. 1992. *Glacial icemelt in the Wind River Range, Wyoming*. M.A. Plan B Paper in Geography, University of Wyoming: Laramie, WY, 7 pp.
9. Haire, D.H. 1991. *Runoff and soil loss from burned areas in the Greater Yellowstone Region*. M.A. Plan B Paper in Geography, University of Wyoming: Laramie, WY, 60 pp.
8. Clarendon, D. 1991. *Drainage basin differences in a land classification scheme on the Medicine Bow National Forest*. M.A. Thesis in Geography, University of Wyoming: Laramie, WY, 98 pp.
7. Mills, J.D. 1991. *Wyoming's Jackson Lake Dam, horizontal channel stability, and floodplain vegetation dynamics*. M.A. Thesis in Geography, University of Wyoming: Laramie, WY, 54 pp.
6. Miller, A.I. 1989. *Geomorphic controls on winterkill conditions in alpine lakes of the Snowy Range, Wyoming*. M.A. Thesis in Geography, University of Wyoming: Laramie, WY, 153 pp.
5. Varuska, M.L. 1989. *Recent trends of Gannett and Dinwoody glaciers, Wind River range, Wyoming*. M.A. Plan B Paper in Geography, University of Wyoming: Laramie, WY, 50 pp.
4. Dolan, L.S. 1988. *Estimates of upland erosion and runoff in an arid watershed in Wyoming*. M.A. Thesis in Geography/Water Resources, University of Wyoming: Laramie, WY, 105 pp.
3. Gillespie, B.M. 1987. *The impact of military maneuvers on eolian transport and soil compressive strength in south central New Mexico*. M.A. Thesis in Geography, University of Wyoming: Laramie, WY, 193 pp.
2. Davison, C.H. 1984. *Simulation by finite difference methods of water levels in the Horizon City area, Texas, 1983-2030*. M.S. Thesis in Geology, University of Texas at El Paso: El Paso, TX, 118 pp.
1. Dupuy, J.R. 1984. *The hydrologic significance of geologic structure within the southeastern Hueco Bolson, El Paso County, Texas*. M.S. Thesis in Geology, University of Texas at El Paso: El Paso, TX, 102 pp.

GRADUATE COMMITTEE MEMBERSHIPS: DISSERTATIONS, THESES, PLAN B PAPERS

Michael Blair, Ph.D. Physics (OSU), in-progress (Dr. Steve McKeever)
Kelli Collins, M.S. Geology (OSU), 2001 (Dr. Stan Paxton)
Dan Hannah, M.S. Geology (OSU), 2001 (Dr. Jim Puckett)
Leah Nell Adams, M.S. Geology (UW), 1994 (Dr. Paul Heller)
Yoshiko Akashi, M.S. Botany (UW), 1988 (Dr. Dennis Knight)
Tony Anderson, M.S. Range Management/Water Resources (UW), 1994 (Dr. Tom Wesche)
John Anderton, M.A. Geography (UW), 1990 (Dr. Rick Reider)
Mark Blanchard, M.S. Geology (UW), 1990 (Dr. James Drever)
Stuart Blundell, M.S. Geology (UW), 1988 (Dr. Ron Marrs)
Kelli Collins, M.S. Geology (OSU), in-progress (Dr. Stan Paxton)
Mike Colman, M.S. Civil Engineering (UW), 1999 (Dr. Larry Pochop)
Michael Davis, Ph.D. Physics (OSU), in-progress (Dr. Steven McKeever)
Greg Eaglin, M.S. Zoology & Physiology (UW), 1991 (Dr. Wayne Hubert)
Dennis Feeney, M.A. Geography (UW), 1991 (Dr. Ron Beiswenger)
Pat Flaherty, M.A. Geography (UW), 1999 (Dr. Bill Baker)
Ed Gates, M.S. Geology (UTEP), 1985 (Dr. Jerry Hoffer)
David Gerhardt, M.S. Zoology & Physiology (UW), 1989 (Dr. Wayne Hubert)
Robert Gipson, M.S. Zoology & Physiology (UW), 1992 (Dr. Wayne Hubert)
Thor Gjelsteen, M.S. Geology (UW), 1988 (Dr. James Steidtmann)
Richard Grost, M.S. Zoology & Physiology (UW), 1989 (Dr. Wayne Hubert)
Dan Hannah, M.S. Geology (OSU), 2001 (Dr. Jim Puckett)
Jan Hart, M.S. Range Management/Water Resources (UW), 1996 (Dr. Tom Wesche)
Lee Jensen, M.S. Range Management/Water Resources (UW), 1994 (Dr. Tom Wesche)
Dean Jordan, Ph.D. Botany (UW), 1995 (Dr. Bill Smith)
Jeanine Kearn, M.A. Planning (UW): 1999 (Dr. Jim Thompson)
Gwen Kittel, M.S. Botany (UW), 1994 (Dr. Dennis Knight)
Suzanne McGivney, M.S. Civil Engineering (UTEP), 1985 (Dr. Tony Tarquin)
John Mills, M.S. Geology (UW), 1989 (Dr. Peter Huntoon)
Scott Mullner, M.S. Zoology & Physiology (UW), 1992 (Dr. Wayne Hubert)
Suzy Noecker, M.S. Range Management (UW), 1994 (Dr. Peter Huntoon)
Bill Peck, Natural Science (UW), 1999 (Dr. Duane Keown)
Hervé Piegay, Doctorat de Géographie et Aménagement, Université de Paris IV-Sorbonne, 1995 (Dr. Jean-Paul Bravard)
Cindy Radicker Pru, M.S. Zoology (UW), 1998 (Dr. Wayne Hubert)
Don Richard, M.S. Civil Engineering (UW), 1988 (Dr. Vic Hasfurth)
Greg Smith, M.P.A. Political Science (UW), 1988 (Dr. Richard Green)
Ed Snook, M.A. Geography (UW), 1995 (Dr. Bill Baker)
Grant Sorenson, M.P.A. Political Science (UW), 1991 (Dr. Richard Green)
Robert Swenson, M.S. Geology (UW), 1991 (Dr. Art Snook)
Travis Teegarden, M.S. Agricultural Engineering (UW), 1992 (Dr. Larry Pochop)
Ken Valentine, M.S. Geology (UW), 1994 (Dr. Neil Humphrey)
Jill Walford, M.A. Geography (UW), 1993 (Dr. Bill Baker)
Cheng-Lee Wen, M.S. Geophysics (UTEP), 1983 (Dr. Wayne Peeples)
John Wetstein, M.S. Civil Engineering (UW), 1989 (Dr. Vic Hasfurth)
Linda Williams, M.S. Civil Engineering (UW), 1995 (Dr. Vic Hasfurth)
Mike Young, Ph.D. Zoology & Physiology (UW), 1989 (Dr. Wayne Hubert)

OTHER ACTIVITIES AND ACCOMPLISHMENTS

Visiting scholars/outstanding students sponsored

1. Sponsored/Hosted Visiting Scholars for Department/University Seminars
 - Dr. W. Andrew Marcus, Montana State University, 2000
 - Dr. John C. Dixon, University of Arkansas, 2000
 - Ms. Jamie Schlottmann Norvell, U.S. Geological Survey, 2000
 - Dr. Randall Schaetzl, Michigan State University: 1994
 - Dr. John R. Giardino, Texas A&M University: 1994
 - Dr. Christopher Gippel, University of Melbourne, Australia: 1994
 - Dr. Maynard M. Miller, University of Idaho and Foundation for Glacier and Environmental Research: 1991
 - Dr. Robert Jacobel, St. Olaf College and INSTAAR: 1988
 - Dr. Thomas Wilbanks, Oak Ridge National Laboratory (Visiting Geographical Scientist, Association of American Geographers): 1988
 - Dr. William Lloyd, California State University at Fullerton: 1987
 - Dr. Alistair F. Pitty, University of Keele, UK: 1983
 - Mr. Eddie Reyes, Defense Mapping Agency: 1982
 - Mr. John W. Thackston, Woodward-Clyde Consultants: 1982
 - Mr. Larry Schmidt, U.S. Forest Service: 1981
 - Dr. Richard Jones, University of Texas at Austin: 1981
 - Dr. Charles L. Rosenfeld, Oregon State University (National Sigma Xi Speaker): 1981
 - Dr. Irwin Remson, Stanford University (Geological Society of America Birdsall Distinguished Lecturer): 1981
2. Sponsor of Rumsey Bissell Scholarship (\$500) for Graduate Field Work in Geomorphology/Hydrology
 - Chris Neel: 2002
 - Barbara Pickup and Jerrod Smith: 2001
 - Randa Hope: 2000
 - Robin Gray and Andy Massey: 1999
 - Jon Ferree: 1998
 - Doug Norsby: 1997
 - Sarah Marshall: 1996
 - Kevin Bayer: 1995
 - Kevin McNamara: 1994
 - Jay Newton: 1993
 - David Wick: 1992
 - Dave Clarendon: 1991
 - Jack Mills: 1990
 - Marjorie Varuska: 1989
 - Larry Dolan: 1988
 - Allen Miller: 1987
 - Marc Gillespie: 1986
3. Sponsor of Keith W. Muckleston Scholarship for Excellence in Water Resource Geography, Oregon State University
4. Successful Nomination of Colleagues for Professional Recognition
 - Dr. Richard Reeves: AAG Geomorphology Specialty Group, Melvin Marcus Distinguished Career Award, 1999
 - Dr. David R. Butler: AAG Geomorphology Specialty Group, G.K. Gilbert Award for Research Excellence, 1998
 - Dr. Maynard and Joan Miller: AAG Honors, 1996
 - Dr. M. Duane Nellis: AAG National Councillor, 1996
 - Dr. Tom Buchanan: UW Ellbogen Award for Outstanding Teaching, 1988
 - Dr. Tom Wesche: American Institute of Hydrology, Certified Professional Hydrologist, 1988

5. Mentor for Undergraduate Students who Received Wentz Project Award, Oklahoma State University

Kyla Coker: 2002-03

Kathleen Stuck: 2000-01

Matthew Huhnke: 2000-01

6. Mentor for Students funded by NSF-REU Awards

Spencer Riley: 2002 (Space and Planetary Sciences)

Beau Bassett: 2002 (GOS Applications to Soil/Water Studies)

Sarah Bull: 2001 (GIS Applications to Water Resource Studies)

April Gillilan: 2000 (GIS Applications to Water Resource Studies)

Isabel Budke: 1996 (Juneau Icefield Research Program)

Timothy Creyts: 1996 (Juneau Icefield Research Program)

Dustin Holcomb: 1996 (Juneau Icefield Research Program)

Lane Middleton: 1996 (Juneau Icefield Research Program)

Erin Whitney: 1996 (Juneau Icefield Research Program)

Gabriela Dory: 1995 (Juneau Icefield Research Program)

Mark Giesbrecht: 1995 (Juneau Icefield Research Program)

Marcie Hoffman: 1993 (Juneau Icefield Research Program)

David Veryzer: 1988 (Juneau Icefield Research Program)

7. Sponsored Student Participation in National/International Professional Meetings and Shortcourses

Karakorum-Himalaya-Tibet Workshop

Doug Norsby: 1996 (Flagstaff, AZ)

Luke Copland: 1996 (Flagstaff, AZ)

Association of American Geographers Annual Meeting

Randa Hope, Matt Huhnke, and Kathy Stuck: 2001 (New York, NY)

Dave Wrazien: 1992 (San Diego, CA)

Jack Mills: 1991 (Miami, FL)

Larry Dolan: 1989 (Baltimore, MD)

Geological Society of America Annual Meeting

Barbara Pickup and Kelli Collins: 2000 (Reno, NV)

Marc Gillespie: 1987 (Phoenix, AZ)

Lunar and Planetary Sciences Conference

Chris Neel: 2002 (League City, TX)

Teton Science School Shortcourse on Fluvial Geomorphology (Luna Leopold)

Jack Mills: 1990 (Kelly, WY)

Dave Clarendon: 1988 (Kelly, WY)

University of Arizona 6-Week Field Course on Hydrology

John Dupuy: 1982 (Tucson, AZ)

Charles Davison: 1982 (Tucson, AZ)

8. Successful Nomination of Students for Financial Support to Aid Participation in Juneau Icefield Research Program

(*received scholarship through National Science Foundation or another sponsoring organization)

Kyla Coker: 2002

Lane Middleton: 1996

Dustin Holcomb: 1996

Marcie Hoffman: 1993*

Dave Veryzer: 1990, 1989, 1988*

Cathy Veryzer: 1990*

Dave Clarendon: 1989

Kurt Duncan: 1989

Dale Oursler: 1988*
Bob Guthrie: 1985

9. Successful Nominations of Graduate Students for University of Wyoming Ellbogen Award for Outstanding T.A.

John Thorburn: 1991
Jack Mills: 1989
Marc Gillespie: 1987

10. Successful Nomination of Students for University of Wyoming, College of Arts & Sciences, Paul Stock Scholarship

Kevin McNamera: 1995

11. Successful Nomination of Students for University of Wyoming, College of Arts & Sciences, Summer Scholarship

Robin Gray: 1999
Paul Caffrey: 1998
Lane Middleton: 1996
Wendy Berelson: 1995

12. Successful Nomination of Students for University of Wyoming Senior Graduate Assistantship

John Thorburn: 1991-92, 1992-93

13. Graduate Advisees who have received University of Wyoming C.P. and Evelyn S. Plummer Scholarship

Jeff Baxter, David Furin, Andy Massey: 1999
Paul Caffrey: 1998
Kevin Bayer: 1995
Kevin McNamera: 1995
Dave Haire: 1988

14. Successful Nominations of Undergraduate Students for the University of Wyoming Arts & Sciences Outstanding Graduates of the Year

Jason Brown: 1998
Ed Fritz: 1995
Tammy Wambeam: 1993

Listing in Published Biographies

American Biographical Institute, 1995 (3rd ed.), 1994 (2nd ed.), 1992 (1st ed.), *Two Thousand Notable American Men*

Citation Directories, Inc., 1992, 1991, *Who's Who Among Rising Young Americans*

International Biographical Centre, 1998, *2000 Outstanding People of the 20th Century*

International Biographical Centre, 1997, *Dictionary of International Biography*

International Biographical Centre, 1992 (15th ed.), *Men of Achievement*

Marquis Who's Who, 1995-96 (5th ed.), *Who's Who in American Education*

Marquis Who's Who, 1997-98 (26th ed.), 1996-97 (25th ed.), 1989 (22nd ed.), *Who's Who in the West*

Marquis Who's Who, 1996-97 (14th ed.), *Who's Who in the World*

Marquis Who's Who, 1998-99 (4th ed.), 1996-97 (3rd ed.), *Who's Who in Science and Engineering*

Reed Reference Publishing Co., 1994, *American Men and Women of Science*

Strathmore's Who's Who, 1997-98, *Who's Who Registry*

Workshops attended

Introduction to ArcView GIS; ESRI; Oklahoma State University; 6/11/00

K-12 Geoscience Partnering with Project WET; Geological Society of America; Salt Lake City, UT; 10/18/97

Hands-on Overview of the World Wide Web; Association of American Geographers; Charlotte, NC; 4/9/96

Quaternary Geology of the Wind River Basin, Wyoming; Friends of the Pleistocene, Rocky Mountain Cell; Dubois, WY; 8/13-14/94

Achieving Organizational Effectiveness; University of Wyoming School of Extended Studies and Public Service; Cheyenne, WY; 10/5-6/92

Climatology and Flood Hydrology in the Rocky Mountains; American Society of Civil Engineers, Federal Emergency Management Agency, U.S. Geological Survey; Lakewood, CO; 10/4-5/90

Selenium Information Tour; Governor's State Selenium Work Group; Casper, WY; 6/2/88

Microcomputers in Cartographic Education; Association of American Geographers; Minneapolis, NM; 5/4/86

Desert Soils and Geomorphology Project--1984 Field Study Tour; New Mexico Bureau of Mines and Mineral Resources; Las Cruces, NM; 5/28-31/84

Advanced Remote Sensing and Spatial Data Analysis in Exploration Geology; EROS Data Center, U.S. Geological Survey; Sioux Falls, SD; 11/14-18/83

Hands-on Training Workshop in Remote Sensing Applications; Environmental Research Institute of Michigan; Ann Arbor, MI; 5/9-13/83

The Fluvial System with Applications to Economic Geology; Colorado State University; Fort Collins, CO; 7/19-23/82

Applied Remote Sensing for Terrain Analysis; George Washington University; Washington, D.C.; 6/7-11/82

Remote Sensing Digital Image Processing; Association of American Geographers; San Antonio, TX; 4/24/82

Special service to the state/community

Registrar, Boy Scouts Troop 818, Stillwater, OK, 2002 -present

Judge, Earth and Space Science Division, Wyoming State Science Fair, 1998

Assistant Coach, Juneau Little League AAA Minors Baseball (White Sox), 1997

Assistant Pack Leader, Cub Scouts Pack 132, 1992-96

Coach, Laramie Jr. Jazz Basketball League (Grade 3-4 Team "Suns"), 1995

Coach/Assistant Coach, Laramie Midget League Baseball, 1994-95

Math Docent, Grades 1-2, Wyoming Center for Teaching and Learning-Prep, 1992

Technical Advisor, Wyoming Emergency Management Agency, 1989-90

Volunteer, Albany County Red Cross Disaster Relief Fund (collect donations for 1989 Bay Area Earthquake Relief)

Member, Governor's Selenium Work Group, 1988-89

Technical Advisor, West Texas Council of Governments, Water Issues Council, 1986

Advisor, Jack Hammand (candidate from Texas for U.S. Congress), on water issues, 1984

Reviewer (oral and written comments), Texas Department of Water Resources planning document titled "Water Resources for Texas: Planning for the Future", 1983

Advisor, El Paso Department of Planning, Research and Development, on protection of scenic views from billboard obstruction, 1983

COMPLETE LISTING OF ORAL PRESENTATIONS

PRESENTATIONS TO SERVICE ORGANIZATIONS AND RADIO/TV INTERVIEWS

Stillwater Junior High School Earth Science Class; Stillwater, OK; 5/6-7/02
Stillwater Junior High School, Earth Science Class; Stillwater, OK; 11/7&9/00
Stillwater Junior High School, Earth Science Class; Stillwater, OK; 10/15/99
Sangre Ridge Elementary School, 4th Grade Class; Stillwater, OK; 9/24/99
Laramie Junior High School, Geography Classes; Laramie, WY; 12/14-15/98
University of Wyoming, Geography Awareness Week Seminar; Laramie, WY; 11/16/98
Cheyenne East High School; Cheyenne, WY; 11/11/98
Laramie Brownie Troop 228; Laramie, WY; 10/20/98
Laramie Boy Scout Troop 137; Laramie, WY; 12/8/97
Laramie Brownie Troop 228; Laramie, WY; 12/4/97
American Water Resources Association, Wyoming Student Section, Laramie, WY ; 11/12/97
Radio interview on KUWR (Wyoming Public Radio); Laramie, WY; 10/17/97
GTU International Honor Society in Geography, University of Wyoming, Laramie, WY; 10/16/97
Radio interview on KINY; Juneau, AK; 3/3/97
Downtown Juneau Rotary Club; Juneau, AK, 1/21/97
U.S. Forest Service, Mendenhall Glacier Visitor Center, Fireside Talk; Juneau, AK; 1/3/97
Juneau-Douglas High School, Geology Class; Juneau, AK; 11/13/96
Auke Bay School, Mrs. Elgee's 5th Grade Class; Juneau, AK; 10/10/96
University of Alaska Southeast, Student Program; Juneau, AK, 9/18/96
TV interview on Channel 8; Juneau, AK; 6/19/97
GTU International Honor Society in Geography, University of Wyoming; Laramie, WY; 5/1/96
American Water Resources Association; Wyoming Student Section; Laramie, WY; 4/30/96
The Explorers Club, Rocky Mountain Chapter; Golden, CO; 1/12/96
University of Wyoming, Geography Awareness Week Seminar; Laramie, WY; 11/15/95
Dean Morgan Junior High School; Casper, WY; 4/18/89
Radio interview on KUWR (Wyoming Public Radio); 10/13/88
Radio interview on KUWR (Wyoming Public Radio); 1/20/88
Sierra Club, El Paso Regional Group; El Paso, TX; 2/27/85
El Paso Boy Scout Troop 27; El Paso, TX; 11/14/82
Southwest Studies Group, University Women's Club; El Paso, TX; 11/2/82
TV interview on KDBC-Channel 4; El Paso, TX; 10/6/82
Sierra Club, El Paso Regional Group; El Paso, TX; 6/30/82
El Paso School District, Annual Winter In-Service Workshop; El Paso, TX; 1/19/82
El Paso Geological Society; El Paso, TX; 12/4/81

WORKSHOP AND FIELD COURSE PRESENTATIONS

Space and Planetary Sciences (co-Director of NSF-REU Summer Program), Oklahoma State University and University of Arkansas, 5/28/02-8/2/02

Water Quality Monitoring and Management (invited shortcourse for seven Egyptian hydrologists), University of Wyoming International Programs, Laramie, WY; 6/8-18/98

Mountain Geosciences and Field Glaciology (invited lecture series and field demonstrations); 37th Summer Institute of Glaciological and Arctic Sciences; Juneau Icefield, AK-BC; 7/1/96 through 8/23/96

Origin of Mountains, Natural Hazards and Human Impacts (invited workshop); Wyoming Geographic Alliance, National Geographic Society; 6/10/96

Mountain Geosciences and Field Glaciology (invited lecture series and field demonstrations); 36th Summer Institute of Glaciological and Arctic Sciences; Juneau Icefield, AK-BC; 7/5/95 through 8/5/95

Wilderness and Water (invited workshop, co-presented with L.M. Marston and R.E. Beiswenger); Wyoming Geographic Alliance, National Geographic Society, and U.S. Environmental Protection Agency; 6/27-28/95

Riparian Vegetation-Streamflow Interactions Workshop (invited participation); USDA Forest Service, Rocky Mountain Forest and Range Experiment Station, Stream Systems Technology Center; Tucson, AZ; 1/4-6/95

Greater Yellowstone Ecosystem Conservation Workshop (invited participation); Greater Yellowstone Coalition; Chico Hot Springs, MT; 1/7-8/95

The Range of Natural Variability in Aquatic and Riparian Systems (invited workshop participant); U.S. Forest Service and University of Wyoming; Laramie, WY; 2/16/94

River Entrenchment in Small Mountain Valleys of the Western U.S.A.--Influence of Beaver, Grazing, and Forestry Practices (invited paper); Workshop on River Entrenchment, Université Lyon III--Jean Moulin; 4/28/93

Snake River Expedition (invited field workshop); Wyoming Geographic Alliance, National Geographic Society, and U.S. Department of Education; Grand Teton National Park; 6/14-20/92

Techniques of River Studies and Climatology (invited workshop); Geography Institute for Teachers, University of Wyoming Institute for the Development of Teaching ; Laramie, WY; 6/11/92

Channel Morphology and Dynamics in Riparian Systems (invited workshop); Riparian Workshop, Wyoming Game and Fish Department; Laramie, WY; 8/20/91

Mountain Geosciences and Field Glaciology (invited lecture series and field demonstrations); 26th Summer Institute of Glaciological and Arctic Sciences; Juneau Icefield, AK-BC; 7/10/91 through 8/6/91

Land and Life in the Nepal Himalaya (invited workshop); Regional Geography and International Studies Institute for Teachers, University of Wyoming Institute for the Development of Teaching; Laramie, WY; 6/25/90

Global Change and Water Resources (invited workshop); Regional Geography and International Studies Institute for Teachers, University of Wyoming Institute for the Development of Teaching; Laramie, WY; 6/20/90

Humans as Agents of Landscape Change (invited workshop); Geography Institute for Teachers, University of Wyoming Institute for the Development of Teaching; Laramie, WY; 6/19/90

Wyoming Water Atlas in the Classroom (invited workshop); Geography Institute for Teachers, University of Wyoming Institute for the Development of Teaching ; Laramie, WY; 6/11/90

Critical Questions in Geomorphology and Water Resources (invited workshop); Geography Institute for Teachers, University of Wyoming Center for Teaching and Learning; Laramie, WY; 6/21/89

Water Related Hazards in Wyoming (invited workshop); Wyoming Emergency Management Agency Symposium; Laramie, WY; 10/25/88

Land Systems Analysis and Drainage Basin Processes (invited workshop); Fish Habitat Management Shortcourse, U.S. Forest Service and Colorado State University; Fort Collins, CO; 9/26/88

The Hydrologic Cycle: Global and Wyoming Perspectives (invited workshop); Water Institute for Teachers, University of Wyoming Center for Teaching and Learning; Laramie, WY; 7/13/88

A Research Strategy for Estimating Channel Maintenance Flows in Forest Streams (invited workshop); Coon Creek Project Status Meeting, Seminar organized by the Medicine Bow National Forest; Laramie, WY; 5/6/88

Estimates of Runoff and Soil Loss Using Rainfall Simulation and Computer Assisted Mapping (invited); Interagency Soil Scientist Workshop, Seminar organized by the Soil Conservation Service; Casper, WY; 3/24/88

Morphometric Indices of Streamflow and Sediment Production (invited workshop); Forest Hydrologist Workshop; Laramie, WY; 9/17/87

Mountain Geosciences and Field Glaciology (invited lecture series and field demonstrations); 26th Summer Institute of Glaciological and Arctic Sciences; Juneau Icefield, AK-BC; 7/16/85 through 8/23/85

Mountain Geosciences and Field Glaciology (invited lecture series and field demonstrations); 22nd Summer Institute of Glaciological and Arctic Sciences; Juneau Icefield, AK-BC; 7/1/81 through 8/15/81

Mountain Geosciences and Field Glaciology (invited lecture series and field demonstrations); 21st Summer Institute of Glaciological and Arctic Sciences; Juneau Icefield, AK-BC; 7/24/80 through 8/16/80

CONFERENCE AND SEMINAR PRESENTATIONS

2002

Erodability of the Norman City Landfill by the Canadian River, Oklahoma (national contributed poster #45; co-authored with B. Pickup, S. Paxton, K. Collins, S. Christenson); Association of American Geographers; Los Angeles, CA; 3/19/02

Rock Glaciers on Mars (national contributed poster #44; co-authored with C. Neel, J. Degenhardt, J.R. Giardino); Lunar and Planetary Sciences Conference; Houston, TX; 3/12/02

Downstream Fining of Sediment in a Modern Fluvial System: Lessons from the Canadian River Drainage, Oklahoma, USA, and Implications for Regional Reservoir Performance (national contributed poster # 43; co-authored with S.T. Paxton and J. Smith); American Association of Petroleum Geologists; Houston, TX; 3/11/02

2001

Potential Impacts of the Catastrophic Failure of Jackson Lake Dam, Wyoming (national contributed poster #42; presented by co-author Sarah M. Bull); American Water Resources Association; Albuquerque, NM; 11/12/01

Potential for Subsurface Contaminant Transport in Floodplains Adjacent to Municipal Landfills (national contributed poster #41; co-authored with S.T. Paxton, B.S. Pickup, K.L. Collins, S. Christenson, B. Dehay); Geological Society of America; Boston, MA; 11/8/01

Heavy Metals in Fluvial Sediments of the Picher Mining Field, Northeast Oklahoma (national contributed poster #40; co-authored with R. Hope); Geological Society of America; Boston, MA; 11/8/01

Impact of Reforestation and Gravel Mining on the Malnant River, Haute Savoie, French Alps (international invited paper #11; co-authored with J.P. Bravard and T. Green); Binghamton International Geomorphology Symposium; Chapel Hill, NC; 10/20/01

Drainage, Sediment Transport, and Denudation Rates on the Nanga Parbat Himalaya, Pakistan (international invited paper #10; co-authored with K. Cornwell and D. Norsby); Binghamton International Geomorphology Symposium; Chapel Hill, NC; 10/20/01

Studies of Glacial valleys on Earth as Models for Martian Surface Features (invited seminar #65; co-authored with C. Neel); Oklahoma State University, Center for Space and Planetary Sciences Seminar; Stillwater, OK; 9/27/00

Geomorphic Adjustment of Reclaimed Channels and Hillslopes at a Surface Coal Mine in Northwest Colorado (national contributed paper #39; co-authored with D.M. Furin); Association of American Geographers; New York, NY; 3/1/01

Reviewing, Ethics, and Professional Practice (invited panel discussant #12); Association of American Geographers; New York, NY; 3/2/01

2000

Surficial Geomorphic Processes and Engineering Geomorphology of Yankee Boy Basin, CO (national contributed poster #38; co-authored and presented by M.A. Parker, J.R. Giardino, J.J. Degenhardt, T. Heggie, K.R. Mulligan, M.B. Junck, M.P. Quintana, J.D. Vitek); Geological Society of America; Reno, NV, 11/16

Hydrologic Characteristics of a Rock Glacier Aquifer-A First Approximation: Yankee Boy Basin, CO; (national contributed poster #37; co-authored and presented by Y. Jaehyung, J.R. Giardino, H. Zhan, J.J. Degenhardt, J.D. Vitek); Geological Society of America; Reno, NV, 11/16

Spatial Patterns of Water Quality in a Alpine Watershed: Sneffels Creek, Yankee Boy Basin, CO (national contributed poster #36; co-authored and presented by T. Heggie, J.R. Giardino); Geological Society of America; Reno, NV, 11/16/00

Evaluating the Internal Structure of a Rock Glacier using Ground Penetrating Radar (GPR); Yankee Boy Basin, CO (national contributed poster #35; co-authored and presented by J.J. Degenhardt, J.R. Giardino, M.B. Junck, M.P. Quintana); Geological Society of America; Reno, NV, 11/16/00

Geomorphic Adjustment of Reclaimed Channels and Hillslopes at a Surface Coal Mine in Northwest Colorado (national contributed paper #34; co-authored with D.M. Furin); Geological Society of America; Reno, NV; 11/16/00

Geomorphology and Sedimentology of the Canadian River Floodplain Adjacent to the Norman City Landfill (national contributed poster #33, co-authored with K.L. Collins, B.E. Pickup, A.L. Gillilan, S.T. Paxton); Geological Society of America; Reno, NV, 11/15/00

Geomorphic Adjustment of Reclaimed Channels and Hillslopes at a Surface Coal Mine in Northwest Colorado (regional contributed paper #37; co-authored with D.M. Furin); Oklahoma Academy of Sciences; Tulsa, OK; 11/15/00

Heavy Metals in Fluvial Sediments of the Picher Mining Field, Northeast Oklahoma (regional contributed paper #36, co-authored and presented by R.S. Hope); Oklahoma Academy of Sciences; Tulsa, OK; 11/15/00

Geomorphology of the Canadian River Floodplain Adjacent to the Norman City Landfill (regional contributed paper #35, co-authored and presented by B.E. Pickup, S.T. Paxton); Oklahoma Academy of Sciences; Tulsa, OK; 11/15/00

Sedimentology of the Canadian River Floodplain Adjacent to the Norman City Landfill (regional contributed paper #34, co-authored and presented by K.L. Collins, S.T. Paxton); Oklahoma Academy of Sciences; Tulsa, OK; 11/15/00

Geomorphic Adjustment of Reclaimed Channels and Hillslopes at a Surface Coal Mine in Northwest Colorado (invited seminar #64; co-authored with D.M. Furin); Oklahoma State University, Geography Seminar Series; Stillwater, OK; 11/6/00

Change in Distribution of Large Woody Debris in Six Streams of the Central Oregon Coast Range (international contributed poster #9, co-authored with J.D. Ferree); International Conference on Wood in World Rivers; Corvallis, OR; 10/24/00

A Three-Dimensional, Animated Model of Supraglacial Stream Meander Migration (invited international paper #8, co-authored with B. Sitterle and C. Conner); Binghamton International Geomorphology Symposium; Binghamton, NY; 10/14/00

Geographical Hydrology of Water Resources in the El Paso-Ciudad Juarez Border Region (regional contributed paper #33); Texas Water 2000 Conference; College Station, TX; 10/23/00

The Yangtze River and Three Gorges Dam: Engineering Promises, Social Impacts, Environmental Concerns (invited seminar #63); Tulsa Geological Society, Tulsa, OK; 6/6/00

The Yangtze River and Three Gorges Dam: Engineering Promises, Social Impacts, Environmental Concerns (invited seminar #62); Department of Geography, University of Southern California; Los Angeles, CA; 4/28/00

The Yangtze River and Three Gorges Dam: Engineering Promises, Social Impacts, Environmental Concerns (invited seminar #61); School of Geology Colloquium, Oklahoma State University; Stillwater, OK, 2/14/00

Rates of Geomorphic Change in Oregon Coast Range Streams (national contributed paper #32, co-authored with J. Ferree); Association of American Geographers; Pittsburgh, PA; 4/6/00

Globalization and Environmental Change (invited seminar #60); Fourth Annual Western Geography Student Conference, University of Colorado; Boulder, CO, 2/4/00

The Juneau Icefield Research Program: 50 Years of Discovery (contributed seminar #28); School of Geology Colloquium, Oklahoma State University; Stillwater, OK, 1/31/00

1999

Mapping the spatial and temporal distributions of large woody debris in rivers of the Greater Yellowstone Ecosystem, USA (international contributed paper #8, co-authored with W.A. Marcus, R.D. Gray, C.R. Colvard); International Association of Geomorphologists, Yangtze Fluvial Conference; Shanghai, CHINA; 11/03/99

Two Decades of Geomorphic Change in Oregon Coast Range Streams (regional contributed paper #32, co-authored with J.D. Ferree); Oklahoma Academy of Science; Oklahoma City, OK; 11/13/99

Rock Glacier vs. Sturzstrom—A Convergence of Processes and Landform Morphology—Fabric Data from the Franklin Mountains, TX, and San Juan Mountains, CO, USA (national contributed poster #31, co-authored with J.R. Giardino, J.J. Degenhardt, A. Pitty, J.D. Vitek); Geological Society of America; Denver, CO; 10/25/99

Mass Movement, Floods, Denudation and Uplift in the Himalaya (invited seminar #59); College of Natural Resources, Colorado State University; Fort Collins, CO; 4/5/99

The Effect of Jackson Lake Dam on Channel Stability and Floodplain Disturbance: Snake River, Grand Teton National Park (invited seminar #58); Oklahoma State University, School of Geology; 5/3/99

Fluvial Denudation of the Nanga Parbat Massif, Pakistan (national invited illustrated paper #11, co-authored with D. Norsby); Association of American Geographers; Honolulu, HA; 3/24/99

1998

Constructing a Geomorphic Map Using a Microcomputer-Based Image Processing System (national contributed poster #30, co-authored with six others); Geological Society of America; Toronto, CAN; 10/28/98

Mass Movement, Floods, Denudation and Uplift in the Himalaya (invited seminar #57); Department of Geography, University of Colorado, Boulder, CO; 10/23/98

Existing and Potential Impacts on the Rio Araguaia, Brazil (regional contributed paper #31; co-authored with E. Castro and M. Borges); Great Plains-Rocky Mountain Division, Association of American Geographers; Lawrence, KS; 9/26/98

Natural Variability and Forestry Impacts in Mountain Streams of Southeastern Wyoming (invited seminar #56); Department of Geography & Recreation Seminar; Laramie, WY; 9/8/98

Movement, Floods, Denudation and Uplift in the Himalaya (invited seminar #55); Department of Geology Colloquia, Kansas State University; Manhattan, KS; 4/16/98

The 1988 Yellowstone Fires: Then and Now (invited seminar #54); Department of Geography Colloquia, Kansas State University; Manhattan, KS; 4/15/98

Existing and Potential Impacts on the Rio Araguaia, Brazil (invited seminar #53; co-authored with E. Castro and M. Borges); Department of Geography Colloquia, Texas A&M University; College Station, TX; 4/10/98

Mass Movement, Floods, Denudation and Uplift in the Himalaya (invited seminar #52); Department of Geology Colloquia, Texas A&M University; College Station, TX; 4/9/98

Existing and Potential Impacts on the Rio Araguaia, Brazil (national invited paper #10; co-authored with E. Castro and M. Borges); Association of American Geographers; Boston, MA; 3/26/98

Recommendations of the Presidential Commission on Western Water Policy (invited seminar #51); PTI Environmental Services, Inc.; Boulder, CO; 2/28/98

1997

Migration of Supraglacial Stream Meanders, Juneau Icefield, Alaska (national contributed paper #29); Association of American Geographers; Fort Worth, TX; 4/3/97

1996

Using GIS to Model the Role of Riparian Vegetation in Channel Migration below Dams (national invited paper #9, co-authored with J. Mills and J.R. Giardino, presented by J. Mills); Annual Conference and Symposium on GIS and Water Resources; Fort Lauderdale, FL; 9/26/96

The Juneau Icefield Research Program: 50 Years of Discovery (regional contributed paper #30); Great Plains-Rocky Mountain Division of the Association of American Geographers; Greeley, CO; 9/28/96

The Juneau Icefield Research Program: 50 Years of Discovery (national contributed paper #28); Association of American Geographers; Charlotte, NC; 4/12/96

1995

Mass Wasting and Floods in the Nepal Himalaya: Who's Fault is It? (invited seminar #50); School of Education, Liberal Arts and Science, University of Alaska Southeast; Juneau, AK; 11/28/95

Channel Metamorphosis, Floodplain Disturbance, and Vegetation Development: Ain River, France (international invited paper #7, co-authored with J. Girel, G. Pautou, H. Piegay, J.P. Bravard, C. Arneson); Binghamton International Geomorphology Symposium; Charlottesville, VA; 10/7/95

Taking Students to the World's Wild Places (invited seminar #49); 1995 National Merit Symposium, University of Wyoming; Laramie, WY; 9/25/95

Despite the Controversy, the Davisian Cycle of Erosion Continues to be Taught (international, invited paper #6, co-authored with P. Candelaria and J. Vitek); Colloquium on Paleohydrography, Université de Nancy II; Nancy, FRA; 9/6/95

Recent Changes in Glaciers of the Wind River Range, Wyoming (invited seminar #48); Mariah and Associates, Inc.; Laramie, WY; 4/12/95

The Impact of Debris Torrents on Substrates of Mountain Streams (international invited paper #5, co-authored with D.E. Fritz and V. Nordberg); also member of Scientific Committee for the conference; Colloquium on Floods, Slopes, and River Beds, CNRS Laboratoire de Géographie Physique, Universités de Paris I et VII; Paris, FRA; 3/23/95

Les Changements de la Végétation dans la Plaine d'Inondation, Ain River, France (invited seminar #47); CEMAGREF Groupement de Lyon, Division Biologie des Ecosystèmes Aquatiques, Laboratoire d'Hydroécologie Quantitative; Lyon, FRA; 3/13/95

Patterns on the Landscape: Physical Geography of the Medicine Bow Mountains and Sierra Madre (invited seminar #46); Medicine Bow Showcase Program, USDA Forest Service, Medicine Bow National Forest; Laramie, WY; 2/27/95

1994

Livestock-Beaver Interactions and Entrenchment of Streams in the Western USA (regional contributed paper #29, special session on Biogeomorphology; co-authored with J.P. Bravard); Great Plains-Rocky Mountain Division of the Association of American Geographers; Salt Lake City, UT; 10/15/94

Separating Human Impacts on the Environment from Change that would have Occurred without Human Interference (invited seminar #45); 1994 National Merit Symposium, University of Wyoming; Laramie, WY; 9/19/94

Natural Variability and Forestry Impacts in Mountain Streams of Southeastern Wyoming (national contributed paper #27); 1994 Summer Symposium, American Water Resources Association; Jackson, WY; 6/29/94 (NC#27)

Channel Metamorphosis, Floodplain Disturbance, and Vegetation Development: Ain River, France (national invited paper, co-authored with J.W. Newton, J.P. Bravard, G. Pautou, J. Girel); Special Session on Geomorphology and Riparian Vegetation, Association of American Geographers; San Francisco, CA; 3/30/94 (NI#8)

The Effect of Jackson Lake Dam on Channel Stability and Floodplain Disturbance: Snake River, Grand Teton National Park (invited seminar); American Water Resources Association, Wyoming Student Section; Laramie, WY; 3/24/94 (RI#3)

The Effect of Jackson Lake Dam on Channel Stability and Floodplain Disturbance: Snake River, Grand Teton National Park (invited seminar #44); Department of Geography, University of Southern California; Los Angeles, CA; 1/14/94

1993

Channel Metamorphosis of Two Rivers in East-Central France (invited seminar #43); Department of Geography and Recreation, Geography Awareness Week Program, University of Wyoming; Laramie, WY; 11/18/93

Biodiversity of Alluvial Floodplains (invited discussant); Panel on Biodiversity in Watershed Management, American Water Resources Association, Wyoming Section; Laramie, WY; 11/4/93 (RI#2)

Sediment Storage in Narrow Mountain Valleys, Central Oregon Coast Range; (invited paper); Symposium on Sediment Budgets, 3rd International Geomorphology Conference; Hamilton, ONT; 8/24/93 (II#4)

Runoff and Soil Loss Following the 1988 Yellowstone Fires (invited seminar #42); University of Stirling; Stirling, Scotland; 4/21/93

Channel-Floodplain Interactions on the Snake River, Wyoming, U.S.A. (invited seminar #41); Department of Environmental Science, University of Stirling; Stirling, Scotland; 4/21/93

Natural Variability and Forestry Impacts in Mountain Streams of Southeastern Wyoming (invited paper in special session on Fluvial Geomorphology, co-authored with D. Wick); Association of American Geographers; Atlanta, GA; 4/8/93 (NI#7)

Runoff and Soil Loss Following the 1988 Yellowstone Fires (invited seminar #40); Université Lyon III--Jean Moulin; Lyon, FRA; 4/2/93

Use of Rainfall Simulation and a GIS to Determine Spatial Patterns of Upland Runoff and Erosion in an Arid Watershed (invited paper); Memorial Symposium for Jan De Ploey on Experimental Geomorphology and Landscape Ecosystem Changes, Laboratory for Experimental Geomorphology, Catholic University of Leuven; Leuven, BEL; 3/23/93 (II#3)

1992

A River on the Edge of the Map: Rio Araguaia, Brazil (invited seminar #39); University of Wyoming Department of Geography & Recreation, Geography Awareness Week Speakers Series; Laramie, WY; 11/20/92

Channel Adjustment in Mountain Streams of the Medicine Bow National Forest, Wyoming (regional contributed paper #28, co-authored with D. Wick in special session which I organized on Fluvial Systems in the Rocky Mountains); *Horizontal Channel Migration and Floodplain Vegetation Development* (regional contributed paper #27, co-authored and presented by D.R. Wrazien); *Fluvial Terraces of the Snake River, Grand Teton National Park* (regional contributed paper #26, co-authored and presented by C.E. Linner); Great Plains-Rocky Mountain Division of the Association of American Geographers; Manhattan, KS; 10/10/92 (RC#26, RC#27, RC#28)

Floodplain Disturbance and Landscape Diversity, Rio Araguaia, Brazil (invited seminar/roundtable discussion #38); Catholic University of Goias; Goiania, BRA; 9/3/92

Floodplain Disturbance and Landscape Diversity: the Snake River, Grand Teton National Park, Wyoming (invited seminar #37); Université Lyon III--Jean Moulin; Lyon, FRA; 5/22/92

L'homme et la rivière--rivières des Montagnes Rocheuses (E.U.)--réponse au changement naturel et à l'intrusion humaine (international invited keynote address #2); Le Fleuve et ses Metamorphoses, Colloque International; Lyon, FRA; 5/13/92

The Reenchantment of Geomorphology (national invited paper/panel discussant #6); *Horizontal Channel Migration and Floodplain Vegetation Development* (national invited paper #5, co-authored and presented by D.R. Wrazien); Association of American Geographers; San Diego, CA; April, 1992 (NI#5, NI#6)

Mass Wasting and Floods in the Nepal Himalaya: Who's Fault is It? (invited seminar #36); *Channel Migration and Floodplain Vegetation along the Snake River, Grand Teton National Park* (invited seminar #35); Department of Economics and Geography, U.S. Air Force Academy; Colorado Springs, CO; 4/7-8/92

Predicting Cumulative Effects in Forested Environments (invited seminar/panel discussant #34); Seminar on New Perspectives in Forest Management, University of Wyoming and USDA Forest Service; Laramie, WY; 3/31/92

Mass Wasting and Floods in the Nepal Himalaya: Who's Fault is It? (invited seminar #33); *Channel Migration and Floodplain Vegetation along the Snake River, Grand Teton National Park* (invited seminar #32); Department of Geography, Texas A&M University; College Station, TX; 3/24,27/92

1991

Recent Changes in Glaciers of the Wind River Range, Wyoming (invited seminar #31); Wyoming Student Section, American Water Resources Association; Laramie, WY; 10/25/91

Recent Changes in Glaciers of the Wind River Range, Wyoming (regional contributed paper #25); Great Plains-Rocky Mountain Division of the Association of American Geographers; Laramie, WY; 9/7/91

Runoff and Soil Loss from the 1988 Yellowstone Fires (national contributed paper #26); *Wyoming's Jackson Lake Dam, Channel Stability, and Riparian Vegetation Dynamics* (national contributed paper #25, co-authored and presented by J.D. Mills); Association of American Geographers; Miami, FL; 4/16/91

Wyoming's Jackson Lake Dam and the Snake River in Grand Teton National Park (invited seminar #30); Teton Science School Winter Lecture Series; Jackson, WY; 3/28/91

Wyoming's Jackson Lake Dam, Channel Stability, and Riparian Vegetation Dynamics (regional contributed paper #24); Symposium on Biodiversity in the Rocky Mountains; Fort Collins, CO; 3/14/91

Managing Stream Channel Stability to Meet Other Resource Management Objectives (invited seminar #29); Montana State University Cinnabar Symposium; Bozeman, MT; 1/25-26/91

1990

Wyoming's Jackson Lake Dam, Channel Stability, and Floodplain Vegetation (invited seminar #28); *Water Conflicts on the Border: the El Paso-Juarez Urban Region* (invited seminar #27); University of Alabama, Keynote Speaker for Geography Awareness Week; Tuscaloosa, AL; 11/17-18/90

Runoff and Soil Loss Following the 1988 Yellowstone Fires (regional contributed paper #23); Great Plains-Rocky Mountain Division of the Association of American Geographers (also chaired session on physical geography); Kearney, NB; 10/12/90

Wyoming's Jackson Lake Dam, Channel Stability, and Riparian Vegetation Diversity (regional invited paper #1); Wyoming Riparian Association; Rawlins, WY; 10/10/90

Channel Maintenance Flows in Mountain Streams (regional contributed paper #22); American Water Resources Association, Wyoming Section; Laramie, WY; 10/3/90

Geomorphic Changes in the Snake River due to Jackson Lake Dam and the 1988 Fires (invited seminar #26); National Park Service Seminar Series; Moose, WY; 7/18/90

Glacier Icemelt in the Wind River Range, Wyoming (national contributed paper #24, co-authored and presented by G. Kerr); American Society of Civil Engineers, Symposium on Watershed Planning and Analysis in Action ; Durango, CO; 7/9/90

Changes in Glacier Runoff in the Wind River Range, Wyoming (invited seminar #25); Sigma Xi, University of Wyoming Chapter; Laramie, WY; 4/27/90

Changes in Glacier Runoff in the Wind River Range, Wyoming (national contributed paper #23, co-authored); *Mass Wasting and Sedimentation in the Snake River, Grand Teton and Yellowstone National Parks* (national contributed paper #22, co-authored and presented by J. Shroder); Association of American Geographers; Toronto, CAN; 4/20/21/90

Geomorphic Changes in the Snake River: Grand Teton National Park (invited seminar #24); Wyoming Water Research Center Water Talk Seminar; Laramie, WY; 4/6/90

Land and Life in the Nepal Himalaya (invited seminar #23); Department of Economics and Geography, U.S. Air Force Academy; Colorado Springs, CO; 3/1-2/90

1989

Wyoming Water Atlas (invited seminar #22); Wyoming Water Research Center, Research Review and Priorities Committee; Cheyenne, WY; 10/27/89

Glacier Runoff as a Contribution to Late Summer Runoff, Wind River Basin, Wyoming (regional contributed paper #21, co-authored and presented by G. Kerr); American Water Resources Association, Wyoming Section; Douglas, WY; 10/12/89

Channel Maintenance Flows in Mountain Streams (international contributed paper #7); International Conference on Geomorphology; Frankfurt, GER; 9/5/89

Recent Trends in Glaciers and Glacier Runoff, Wind River Range, Wyoming (national contributed poster #21, co-authored); American Water Resources Association, Symposium on Headwaters Hydrology; Missoula, MT; 6/27/89

Glacial Hydrology in the Wind River Range, Wyoming (regional contributed poster #20, co-authored and presented by G. Kerr); American Association for the Advancement of Science, Southwestern and Rocky Mountain Division; Las Cruces, NM; 4/7/89

Wind River Glaciers: Impact on Current and Future Water Supplies (regional contributed paper #19, co-authored and presented by G. Kerr); American Society of Agricultural Engineers, Colorado-Wyoming Section; Laramie, WY; 3/31/89

A Geomorphic Approach to Estimating Bankfull Discharge in the Nepal Himalaya (national contributed paper #20); Association of American Geographers; Baltimore, MD; 3/20/89

The Cambrian Coast of Wales (invited seminar #21); University of Wyoming, Gamma Theta Upsilon Seminar Series; Laramie, WY; 3/15/89

Mass Wasting in the Central Nepal Himalaya (invited seminar #20); *Rainfall Simulation to Estimate Runoff and Soil Loss from an Arid Watershed in Wyoming* (invited seminar #19); Montana State University, High Elevation Studies Program Seminar; Bozeman, MT; 2/13/89

Water Related Hazards in Wyoming (contributed seminar #10); Wyoming Water Research Center Water Talk Seminar; Laramie, WY; 1/20/89

1988

Recent Trends in Glaciers and Glacial Runoff in the Wind River Range, Wyoming (regional contributed poster #18, co-authored); Northwest Glaciologists, Institute of Arctic and Alpine Research; Boulder, CO; 12/2/88

Development of an Alpine Continuum Model (national contributed poster #19, co-authored); Geological Society of America; Denver, CO; 11/2/88

Recent Trends in Glaciers and Glacial Runoff in the Wind River Range, Wyoming (regional contributed poster #17, co-authored and presented by M. Varuska); *Factors Influencing Rainsplash and Erosion in an Arid Watershed* (regional contributed poster #16, co-authored and presented by L. Dolan); American Water Resources Association, Wyoming Section; Cheyenne, WY; 11/1/88

Mass Wasting in the Manaslu-Ganesh and Langtang-Jugal Himal of Central Nepal (regional contributed paper #15); *Recent Trends in Glaciers and Glacial Runoff in the Wind River Range, Wyoming* (regional contributed poster #14, co-presented by M. Varuska); *Landtype Associations in the Medicine Bow Mountains and Sierra Madre, Wyoming* (regional contributed poster #13, co-presented by D. Clarendon); Great Plains-Rocky Mountain Division of the Association of American Geographers (also chair of session on physical geography; Colorado Springs, CO; 9/9/88

Mass Wasting in the Manaslu-Ganesh and Langtang-Jugal Himal of Central Nepal (international contributed paper #6); International Geographical Congress; Sydney, AUS; 8/22/88

Rainfall Simulation Experiments to Assess Runoff and Soil Loss from a Badland Catchment (invited seminar #18); Australia Commonwealth Scientific and Industrial Research Organization, Division of Water Resources (invited); Canberra, AUS; 8/19/88

Estimating Bankfull Discharge in the Nepal Himalaya (invited seminar #17); Wyoming State Engineer Water Forum; Cheyenne, WY; 6/23/88

Geomorphic Estimates of Bankfull Discharge in the Nepal Himalaya (contributed seminar #9); Wyoming Water Research Center Water Talk Seminar; Laramie, WY; 5/6/88

Factors Influencing Rainsplash Erosion and Runoff in an Arid Watershed (regional contributed paper #12, co-authored and presented by L. Dolan); American Society of Civil Engineers, Wyoming Section; Cheyenne, WY; 4/29/88

Estimating Flood Hazards in the Nepal Himalaya (international invited paper #4); Association for Arid Lands Studies/Western Social Science Association; Denver, CO; 4/28/88

Research Directions in Fluvial Geomorphology (invited seminar #16); Fisheries Research-Management Coordination Meeting, Seminar organized by the Medicine Bow National Forest; Laramie, WY; 4/11/88

American Geographers in Geomorphology (national contributed paper #17); *Factors Influencing Runoff and Erosion in an Arid Watershed, Wyoming* (national contributed poster #18); Association of American Geographers; Phoenix, AZ; 4/7/88

Current Research in Physical Geography (invited seminar #15); University of Wyoming, Professional Development Day; Laramie, WY; 1/8/88

1987

A Geographer's Perspective on Land and Life in the Nepal Himalaya (contributed seminar #8); University of Wyoming, Geography Seminar Series; Laramie, WY; 12/11/87

A Geomorphic Approach to Estimating Bankfull Discharge in the Nepal Himalaya (contributed seminar #7); Tribhuvan University, Seminar organized by Nepal National Council on Science and Technology; Kathmandu, NEP; 11/24/87

A Geomorphic Approach to Estimating Bankfull Discharge in the Nepal Himalaya (contributed seminar #6); International Centre for Integrated Mountain Development; Kathmandu, NEP; 11/24/87

Controlled Field Experiments to Assess Maneuver Impacts on Aeolian Processes and Soil Compaction (national contributed poster #16, co-authored and presented by M. Gillespie); Geological Society of America; Phoenix, AZ; 10/29/87 (NC#16)

Physical Variables and Aquatic Habitat, Oregon Coast Range Streams (national contributed paper #15); Association of American Geographers (also chair of business meeting and organizer for panel discussion); Portland, OR; 4/24/87

Physical Variables and Aquatic Habitat, Oregon Coast Range Streams (contributed paper, co-authored with T. Buchanan) American Fisheries Society, Colorado-Wyoming Chapter; Laramie, WY; 3/12/87 (RC#11)

1986

Mode and Rate of Migration of Supraglacial Streams (national contributed poster #14); Geological Society of America; San Antonio, TX; 11/11/86

Maneuver-Caused Wind Erosion Impacts, South-Central New Mexico (international contributed paper #5); Binghamton Geomorphology Symposium; Guelph, ONT; 9/28/86

Geographical Hydrology of Trans-Border Water Resources: El Paso Region (national invited paper #3); Association of American Geographers; Minneapolis, MN; 5/5/86

Geologic Hazards of El Paso County (invited seminar #14); El Paso Department of Planning, Research and Development; El Paso, TX; 4/17/86

Changes in Seepage with Channel Rectification on the Rio Grande (invited seminar #13); University of Wyoming, Geography & Recreation Seminar Series; Laramie, WY; 4/7/86

1985

An Expedition to the High Himalaya of Nepal (invited seminar #12); El Paso Geological Society; El Paso, TX; 12/6/85

A Geographical Expedition to the Nepal Himalaya (invited seminar #11); California State University at Fullerton, Geography Seminar Series; Fullerton, CA; 12/2/85

Groundwater Depletion and Related Water Quality Problems in Ciudad Juarez, Chihuahua, Mexico (national contributed paper #13); Mexican Association of Geohydrology, Chihuahua Delegation; Chihuahua City, MEX; 11/22/85

Potable Water Supplies in Ciudad Juarez (international invited paper #1); International Symposium on Environmental Health, Pan American Health Organization; El Paso, TX; 11/18/85

Geographical Hydrology of Trans-Border Water Resources: El Paso Region (invited seminar #10); Arizona State University, Geography Colloquium; Tempe, AZ; 10/28/85

Maneuver-Caused Wind Erosion Impacts, South-Central New Mexico (national contributed paper #12); Association of American Geographers; Detroit, MI; 4/23/85

Remote Sensing in Exploration Geology (invited seminar #9); American Institute of Mining, Metallurgical and Petroleum Engineers, El Paso Section; El Paso, TX; 4/10/85

Geographical Hydrology of Trans-Border Water Resources: El Paso Region (invited seminar #8); California State University at Chico, Geography Seminar Series; Chico, CA; 3/26/85

Reconnaissance Geomorphology in the Central Nepal Himalaya (invited seminar #7); Sigma Xi, U.T. El Paso Chapter; El Paso, TX; 2/26/85

1984

An Expedition into the Nepal Himalaya (contributed seminar #5); U.T. El Paso, Geological Sciences Technical Session; El Paso, TX; 12/5/84

Surface Fabric Characteristics of an Ice-Cemented Rock Glacier (national contributed poster #11, co-authored and presented by J. Vitek and J.R. Giardino); Geological Society of America; Reno, NV; 11/7/84

Current Research Directions in Geomorphology, Hydrology, and Remote Sensing (contributed seminar #4); U.T. El Paso, Geological Sciences Technical Session; El Paso, TX; 9/26/84

Persistence of Maneuver-Caused Impacts on Desert Sand Dunes (international contributed paper #4); International Geographical Congress; Paris, FRA; 8/28/84

Roughness Thresholds of Land Surface Erosion (international contributed paper #3); International Geographical Congress, Commission on Field Experiments in Geomorphology; Heidelberg, GER; 8/23/84

Spatial Analysis of Dust Storm Potential in the Chihuahuan Desert (national contributed poster #10); Association of American Geographers; Washington, D.C.; 4/24/84 (NC#10)

Microprocessor-Based Remote Sensing (invited seminar #6); New Mexico State University, Earth Sciences Seminar Series; Las Cruces; NM; 3/29/84

Water Resource Problems in the El Paso Border Region (invited seminar #5); El Paso Electric Company Seminar Series; El Paso, TX; 3/2/84

Microcomputers in Geography (invited seminar #4); Sigma Xi, U.T. El Paso Chapter; El Paso, TX; 1/31/84

1983

Dust Storm Potential in the Chihuahuan Desert (regional contributed paper #10); Chihuahuan Desert Research Symposium; Alpine, TX; 10/21/83

El Paso Regional Water Management Issues (national contributed paper #9); American Water Resources Association; San Antonio, TX; 10/13/83

Maneuver-Caused Wind Erosion Impacts, Fort Bliss Military Reservation, Tularosa Basin, South-Central New Mexico (national contributed poster #8); American Geomorphological Field Group; Albuquerque, NM; 10/7/83

Spatial Analysis of Dust Storm Potential in the Chihuahuan Desert (international invited paper #2); Latin American Studies Association; Mexico City, MEX; 9/29/83

Land Surface Forms in the Chihuahuan Desert (national contributed paper #7, co-authored and presented by R. Schmidt); Association for Arid Lands Studies; Albuquerque, NM; 4/28/83

River Budget for the Rio Grande, El Paso-Juarez Valley (national contributed paper #6); Association of American Geographers; Denver, CO; 4/27/83

Glaciological Studies on the Juneau Icefield (invited seminar #3); New Mexico State University, Earth Sciences Seminar Series; Las Cruces, NM; 2/24/83

1982

An Integrated Landsat, Geological, Geophysical, and Geochemical Survey for Mineral Occurrence in West-Central Utah (international contributed poster #1, co-authored by R. Keller, P. Goodell); International Symposium on Remote Sensing of Environment; Ft. Worth, TX; 12/8/82

Groundwater-Surface Water Interactions in the Rio Grande Valley below El Paso (regional contributed paper #9); American Water Resources Association, Texas Section; Austin, TX; 12/3/82

Influent-Effluent Seepage of the Rio Grande, 1889-1980 (regional contributed paper #8); New Mexico Academy of Sciences; Socorro, NM; 10/15/82

River Budget for the Rio Grande, El Paso-Juarez Valley (regional contributed paper #7, co-authored by W.J. Lloyd); American Association for the Advancement of Science, Southwestern and Rocky Mountain Division; El Paso, TX; 4/30/82

Morphology of Supraglacial Streams on the Juneau Icefield (national contributed paper #5); Association of American Geographers; San Antonio, TX; 4/27/82

The Cambrian Coast of Wales (invited seminar #2); U.T. El Paso, Geological Sciences Technical Session; El Paso, TX; 3/24/82

1981

Current Research Directions in Physical Geography (contributed seminar #3); U.T. El Paso, Geological Sciences Technical Session; El Paso, TX; 9/30/81

Supraglacial Stream Dynamics on the Juneau Icefield (national invited paper #2); Western Social Science Association (also chair of session on water resources); San Diego, CA; 4/24/81

Supraglacial Stream Dynamics on the Juneau Icefield (invited seminar #1); California Institute of Technology, Geological and Planetary Sciences Seminar Series; Pasadena, CA; 4/21/81

The Geomorphic Significance of Log Steps in Forest Streams (national invited paper #1 in Warren J. Nystrom Competition); *Recent Streamflow Trends in the Rio Grande below El Paso, Texas* (national contributed poster #4, co-authored and co-presented by W.J. Lloyd); Association of American Geographers; Los Angeles, CA; 4/20/81

The Samalayuca Sand Dunes, Chihuahua, Mexico (regional contributed paper #6, co-authored and presented by R. Schmidt); Rocky Mountain Council for Latin American Studies; Las Cruces, NM; 2/13/81

Supraglacial Stream Dynamics on the Juneau Icefield (contributed seminar #2); U.T. El Paso, Geological Sciences Technical Session; El Paso, TX; 2/11/81

1980

The Geomorphic Significance of Log Steps in Forest Streams (contributed seminar #1); U.T. El Paso, Geological Sciences Technical Session; El Paso, TX; 9/17/80

Geomorphic Indices of Streamflow and Sediment Yield (national contributed paper #3, co-authored with J. Maxwell); American Association of Civil Engineers, Irrigation and Drainage Division, Watershed Management Symposium; Boise, ID; 7/21/80

Geomorphic Significance of Log Steps in Forest Streams The (regional contributed paper #5); Association of Pacific Coast Geographers; Reno, NV; 6/16/80

1979

Morphometric Indices of Streamflow and Sediment Production (regional contributed paper #4); Oregon Academy of Sciences; Gresham, OR; 2/24/79

1978

Geomorphic Inferences from Stream Surveys in the Oregon Coast Range (regional contributed paper #3); American Geophysical Union, Pacific Northwest Regional Meeting; Tacoma, WA; 9/29/78

Geomorphic Thresholds in Stream Channel Stability (regional contributed paper #2); Oregon Academy of Sciences; McMinnville, OR; 2/25/78

1977

Geomorphic Criteria for Surface Coal Mine Reclamation in Northwest Colorado (national contributed paper #2); Oil Shale from the Uinta Basin, Utah: A Drop in the Bucket (national contributed poster #1); Association of American Geographers; Salt Lake City, UT; 4/26-27/77

1976

Oil Shale from the Uinta Basin, Utah: A Drop in the Bucket (regional contributed poster #1); Oregon Academy of Sciences; Portland, OR; 2/28/76